## **INDEX TO VOLUME 18**

## **Author Index**

Abbott, Sharon L., 310 Ablashi, Dharam V., S96, S113, S130 Acebo, Raymond, 260 Addiss, David G., 760 Agarwal, Sudhir K., 253 Aguilar, Catalina, 719 Ahn, Chai H., 736 Akalin, H. Erdal, 298 Akil, Bisher, 905 Akova, Murat, 298 Albert, M. J., 827 Alfandari, Serge, 839 Alfeirán, Antonio, 719 Alhalel, Ralph, 440 Allen, Susan, 119 Aller, A., 125 Al-Marri, Mohammed, 475 Almela, Manuel, 873 Alnor, D., 914 Alter, Sherman J., 401 Altwegg, Martin, 94 Amador, C., 901 American College of Physicians, 963 American College of Rheumatology, 112 Amin, Komal, S24 Anaissie, Elias J., 925 Anda, Pedro, 494 Anderson, Mark D., 799 Andrei, G., 570 Andrivet, Pierre, 199 Angulo, Frederick James, 14 Anía, Basilio J., 844 Anniko, M., 654 Antoni, Michael H., S73, S147 Antoniadou, A., 73 Anttila, Veli-Jukka, 979 Antworth, Michael V., 1012 Arana, Byron A., 381 Arana, Flora E., 381 Arbeit, Robert D., 473, 1018 Arilla, María del Carmen, 658 Armstrong, Dawna L., 91 Armstrong, Donald, 755 Aro, Timo, 414 Arzese, Alessandra, S260 Aslan, Serap, 298 Asmuth, David M., 819 Atherton, Martin, S49 Avisrror, M. Urrutia, 557 Ayarza, Rafael, 115 Bachmeyer, Claude, 479 Bacquer, Alain, 199 Baddour, Larry M., 992

Baez, Rosa María, 719

Balfour, Henry H., Jr., 149

Balzarini, J., 570 Bamberger, David M., 395, 726 Bardot, Jacques, 482 Barile, M. F., 694 Barker, Edward, S136 Barnes, Peter F., 650 Barois, Annie, 255 Barold, S. Serge, 995 Barrett, Trisha L., 421, 422, 428 431 Barthélémy, Philippe, 842 Bartholomew, William, 999 Bartlett, John G., \$265 Batchelor, Roger, 100 Bates, David W., S11, S86 Batungwanayo, Jean, 119 Baum, Kenneth F., 813 Baumgartner, J. D., S205 Bawdon, Roger E., 157 Baxter, John D., 785 Beaudoin-Leblevec, Geneviève, 103 Beekmann, Susan E., 562 Behan, P. O., S54, S111, S126 Behan, W. M. H., S126 Bell. David S., S21 Bell, Karen M., S21 Bellido, J. L. Muñoz, 557 Beltran, J. Martinez, 660 Benali, Ali, 453 Benito, C., 901 Benkerrou, M., 490 Benson, Constance A., 129, \$218 \$237 Benson, Robert F., 385 Berens, Randolph L., 813 Beresi, Victoria, 589 Berlin, George, 606, 1013 Berman, Jonathan D., 83, 381 Bernard, D., 1023 Berneman, Z., S113 Berrón, S., 161 Berry, Michelle C., 157 Betts, Robert F., 113 Biavasco, Francesca, 661 Bienzle, Ulrich, 408 Biggs, Vanessa J., 123 Bishop, Peter, S54 Bissuel, François, 447 Black, John R., 905 Blanche, P., 654 Blanche, S., 490 Blaser, Martin J., 627 Blatt, Stephen P., 227 Blum, Michael D., 946 Blum, Steve, 358

Bobbaers, H. J., 601

Bochud, P.-Y., 25

Bodey, Gerald P., 925 Bogaerts, Jos, 119 Bombardier, Charles, S68 Bondestam, Sören, 979 Bonetta, Giancarla, 194 Bonnet, E., 664 Botta, Giuseppe A., S260 Bottei, Edward, 649 Bouza, Emilio, 32 Boyer, Kenneth M., 38 Brander, Eljas, 106 Brandriss, Michael W., 995 Braun, Daniel K., 704 Bregman, Zachary, 833 Bricaire, François, 319 Brickman, Andrew, S73 Briggs, Nathaniel C., \$32 Brivet, François, 842 Brockman, Alan, S112, S142 Brodsky, Isadore, S88 Brody, Joshua, 985 Bron, Jacques, 453 Brookings, Eneida S., 385 Brooks, David, 470 Brown, Barbara A., 121, 476, 736 Brown, Charles, 38 Brown, E. M., 653 Brown, June M., 476 Bruckner, David A., 477 Brun. T., 654 Brun-Buisson, Christian, 199 Bryce, Elizabeth Ann, 492 Buchwald, Dedra, S11, S68, S86, S115 Burans, James P., 100 Burdge, David R., 844 Burgos, Angel, 658 Burns-Cox, C. J., 653 Byl, Baudouin, 1015 Cabrera, Fernando, 658 Calabrese, Leonard H., S28 Calandra. Th., 25 Caliendo, Angela M., 516 Campbell, Walter L., 267 Cañón, José Luis, 658 Cantú, Thomas G., 533 Caparros-Lefebvre, Dominique, Caponera, Savina, 1007 Carbonell, C., 901 Cardoso, Lucio A., 313 Carey, John T., 905 Carlotti, Arnaud, 487 Carpenter, John L., 219 Carter, William A., S88, S96 Castren, Mirja, 979

Catalán, María José, 766

Cauda, Roberto, 1007 Caumes, Eric, 319 Chan, Joseph, 358 Chandler, Donna K. F., 694 Chapman, Louisa E., S121 Chau, Chi Hung, 1025 Chen, Sharon C. A., 1002 Cheney, Paul R., S21, S88 Chester, Alexander C., S43 Chetchotisakd, Ploenchan, 929 Cheung, Tony W., 886 Chew, William W. K., 1002 Chia, John K. S., 468 Choi, Ken. 886 Christensen, Gerald R., 799 Christman, Brian W., 123 Churchill, W. H., S86 Civen, Rachel, 1013 Claeys, G., 1023 Claramonte, Xavier, 873 Clark, Rebecca A., 267 Clark, Robert A., 455 Clemens, Vlasich, 100 Clemente-Rodriguez, C., 122 Cloud, Gretchen A., 789 Clumeck, N., 570 Cockerill, F. R., 207 Cofre, Jose, 589 Cohen. J., S205 Cohen, Myron S., S170 Collazos, Julio, 115 Colodny, Stephen M., 474 Colonna, Paul, 477 Commare, Marie C., 255 Conley, Edward J., S157 Connelly, Beverly L., 401 Contini, C., 477 Contreras, Isaac, 480 Corbella, Xavier, 938 Costa, J., 1027 Cotte, Laurent, 447 Courcol, René J., 845 Covin, F. Alan, 648 Covle. P. K., S24, S86 Crafton, Eugene M., 648 Crawford, David L., 731 Crawford, Jeffrey, S189 Crawford, Rosemary, 390 Criales, J. L., 879 Cunningham, Coleen K., 868 Daha, M. R., 780 Daikos, George L., 348 Dajani, Adnan S., 157 Dale, David C., S180 Dan, Michael, 126 Danišovičová, A., 116 Dankert, J., 780 Dann, Eldad J., 437

Davis, Mark E., S28 Dean, James L., 364 Debat-Zoguereh, D., 664 Decazes, Jean M., 453 Decker, Catherine F., 250 De Clercq, E., 570 Deelder, André M., 408 Deerojnawong, Jitladda, 248 DeGirolami, Paola C., 181, 819 De Jonge, Niels, 408 de la Loma, Asia, 494 Delaporte, Emmanuel, 839 de Lassence, Arnaud, 120 de la Vega, Sergio Lazo, 719 de León, F. Lozano, 837 Deleuze, Jean, 479 Del Forno, Antonio, 1007 Delia, S., 477 Dellinger, E. Patchen, 421, 422, 428, 431 DeLuca, John, S84 de Miguel, Julio, 115 de Pablo, C., 660 De Pauw, Ben E., 485 de Ouirós, Juan Carlos L. Bernaldo, 766 Deresiewicz, Robert L., 985 Deresinski, Stanley C., 636 De Roo, M. C., 601 Desai, Gautam, 819 de Seijas, Eduardo Varela, 766 de Tejada, M. Ruíz López, 478 de Truchis, Pierre, 655 Devaux, Yves, 487 Devière, Jacques, 1015 De Vlieghere, Filip C., 1008 Dewilde, Anny, 744 Dezfuli, Massoud G., 650 Dezube, Bruce J., 285 Díaz, Fernando, 115 Dickinson, Gordon, 266 Dickinson, Gordon M., 348 DiNubile, Mark J., 785 Dismukes, William E., 789 Dolan, Matthew J., 227 Domingo, Pere, 243, 1019 Domingue, Gerald J., 667 Dondorp, Arjen M., 942 Doneson, Susan, 336 Donnelly, J. Peter, 485 Donowitz, Gerald R., 273 Doogan, D. P., S111 Doolittle, Teresa H., S11, S86 Dormont, Jean, 842 Doscher, Carol, S24, S86 Drancourt, Michel, 482 Drayton, Joyce, 266 Driks, Michael R., 395 Dubé, Michael P., 77 Duerden, Brian L. S253 Duffee-Kerr, Liane, 649 Dummer, Stephen, 123

Dunbar, Denise, 736

Dunlap, Robbie, 736 Dunne, W. Michael, Jr., 91 Dupont, B., 826 Duray, Paul, 166 Dwyer, John, S112 Eby, Nancy L., S54, S55 Eccles, John, 118 Edwards, Barbara, 808 Edwards, Morven S., 662 Eggiman, Ph., 25 el Baba, Fadi, 585 El-Sadr, Wafaa, 253 Elsasser, William, S88 Emler, Stefan, 455 Emmanouilides, Christos E., 1004 Emmanuel, F. X. S., 829 Ena, J., 901 Enyong, Peter, 408 Erice, Alejo, 149 Ericsson, M., 654 Escande, Jean-Paul, 479 Escudero, R., 493 Espersen, F., 914 Esteban, A., 810 Esteban-Moreno, Jaime, 491. 835 Evans, Susan, 77 Eykyn, Susannah J., 443 Ezratty, Caroline R., 819 Fadem, Mitchell B., S136 Faidas, Anna, 992 Farinacci, G., 240 Färkkilä, Martti, 979 Farr, R. Wesley, 838 Farrugia, David C., 443 Faruque, A. S. G., 827 Fass, Robert J., 905 Fears, Thomas, \$49 Federman, Micheline, 819 Feinberg, Judith, 905 Fekete, Thomas, 830 Feldmeier, Hermann, 408 Fergie, Jaime E., 390 Ferguson, David, S114 Ferguson, James V., Jr., Ferme, Christophe, 199 Fernández, Jose Manuel, 766 Fernández, María V., 494 Fernández-Baca, Victoria, 32 Fernández-Esparrach, G., 486 Fernández-Guerrero, M. L., 810 Fernandez-Viladrich, Pedro, 938 Ferrario, Giulio, 194 Fibbe, W. E., 525 Fiedler, Nancy, S84 Fijen, C. A. P., 780 Finegold, Sydney M., S245, S248

Finkelstein, Dianne, 905

Fiori, Giovanni Paolo, 194

Fischl, Margaret A., 348 Fisher, David, 265 Fisk, John D., S79 Fitzharris, John. 336 Flaherty, John P., 649 Flament-Saillour, Marie, 655 Fletcher, Mary Ann, S73, S147, S154 Fleurette, Jean, 487 Flisser, A., 879 Flórez, C., 125, 837 Floyd-Reising, Shirley A., 401 Folks, Thomas M., S121 Fonollosa-Pla, V., 122 Forlenza, Susan, 475 Forné, Montserrat, 1010 Fortun, J., 660 Fothergill, A., 240 Fraitag, S., 490 Franc, Brigitte, 120 Francioli, P., 25 Franke, Eileen D., 83 Frederick, Winston R., 989 Frederiksen, W., 9!4 Freeman, D. V., 683 Freney, Jean, 487 Friedberg, Fred, S105 Friedland, Jon S., 835 Friedman, Lawrence S., 802 Frimodt-Møller, N., 914 Frist, William H., 123 Frongia, Giovanni, 661 Frucht-Pery, J., 117 Fujimura, Sue F., S136 Gadea, I., 810 Gaillard, J. L., 490 Gallais, H., 664 Gallet, Catherine Boval, 199 Galofré, Joan, 873 Gamboa, F., 837 Gandevia, Simon, S142 Garau, Javier, 1010 Garcia, Lynne S., 656 Garcia-Alfranca, F., 122 García-Corbeira, Pilar, 491 García-Rodríguez, J. A., 557 Gardner, P., 112 Garibaldi, Richard, 1004 Gasser, Robert A., Jr., 83 Gatell, Josep M., 873 Gautier, Hervé, 199 Gawish, Ali, S114 Gaynor, Cecilia D., 455 Gebrian, Bette, 847 Gegúndez, M. I., 810 Geissmann, Frédéric, 453 Gelfand, Michael S., 469 Gendrel, Dominique, 103 Gentilini, Marc, 319 Gérard, M., 570 Gharbia, Saheer E., S287 Giamarellou, Helen, 73 Gibbons, G. W., 683

Gilbert, Gwendolyn L., 1002 Gilchrist, Mary J. R., 401 Gillespie, David H., S88 Gillis, Shmuel, 437 Giola, Massimo, 194 Giordano, Michael F., 263 Giovanetti, Eleonora, 661 Giovannini, Alfonso, 661 Glaser, Carol Ann. 14 Glaspy, John, \$189 Glauser, M. P., \$169, \$205 Gogas, John, 73 Gohchi, Kengo, 832, 1021 Goldberg, Neil, 166 Goldstein, Ellie J. C., S273 Goldstein, Elliot, 999 Goldston, Stephen, S54 Gómez-Mateos, J. M., 837 Gómez-Tortosa, E., 810 Gonzalez-Canali, G., 826 Gorbach, Sherwood L., S305. S311, S319 Gordin, Fred, S223 Gorin, Isabelle, 479 Gorostarzu, J. Fernández, 557 Gotoh, Moritaka, 832, 1021 Gow, J. W., \$126 Grabowski, Marian W., 694 Gradishar, William, S189 Graham, David J., 946 Grayson, M. L., 683 Greaves, Wayne L., 989 Green, William R., 989 Greer, Donald L., 267 Griffis, Judy, 731 Grögl, Max, 83 Gross, Peter A., 421, 422, 428, Grosset, Jacques H., S233 Grous, John, S189 Gruenewald, Ruben, 358 Grufferman, Seymour, S54, S55 Gruner, Eva, 94 Guadino, E., S86 Guerrero, A., 493 Guffond, Thierry, 744 Guibert, Michèle, 842 Guiot, H. F. L., 525 Gunn, Walter J., S10 Gunnarsson, Gunnar, 802 Gupta, Mala R., 395 Gurley, Melissa B., 726 Gurtman, Alejandra, 886 Gustafsson, H., 654 Gutiérrez, F., 901 Haas, David W., 816 Haase, David A., S79 Habershaw, G. M., 683 Haile-Mariam, Tenagne, 553 Hales, John, S142 Hamilton, John R., 636 Hammarström, V., 547

Hammer, Glenn, 886

Levine, Paul H., S1, S7, S16,

Haniffah, B. A. G., S54, S111 Hansen, Jeff, 982 Harjulehto-Mervaala, Tiina, 414 Harley, William B., 627, 816 Hartstein, Alan I., 929 Hatcher, Simon, S112 Hawkins, Hal K., 91 Hayran, Murat, 298 He. Weili, 905 Hedberg, Craig W., 671 Hedderman, A., 570 Henderson, D. A., S3 Henderson, David K., 562 Hendrix, Craig W., 227 Heneine, Walid, S121 Hennequin, C., 490 Henrickson, Kelly J., 770 Henriques, Birgitta, 596 Henry, Berch, S96 Herberman, Ronald B., S55 Hermann, William, S114 Hernández, J. Rodríguez, 557 Heseltine, Peter N. R., 77 Heumann, D., S205 Heydeman, Peter, 38 Hickie, Catherine, S112 Hickie, Ian, S112 Hiemenz, John, 793 Hiilesmaa, Vilho K., 414 Hill, Ronald C., 838 Hilton, Eileen, 808 Hirsch, M., S86 Hirsch, Martin S., 516 Hirschel, Bernard, 455 Hirschman, Shalom Z., 886 Hirschtick, Robert, 630 Hitzges, Patricia, S96, S113 Hjalt, C.-Å., 654 Hmouda, Houssem, 663 Hober, Didier, 744 Hoffner, Sven F., 596 Hofstad, Tor, S250 Holfels, Ellen, 38 Holland, David J., 1002 Hollander, Harry, 1020 Holodniy, Mark, 982 Holsinger, F. Christopher, 123 Holtom, Paul D., 288 Hoogkamp-Korstanje, Jacomiena A., 485 Hook, Edward W., III, 295 Hoover, Robert, S49 Hoque, S. S., 827 Horowitz, Harold W., 166 Horvath, Joseph, 339 Hovi, Tapani, 414 Huang, Mary S., S54, S55 Hudson, Bernard J., 118 Hughes, Carolyn E., 633 Huth, R. Gordon, 260, 262 Hyams, Kenneth C., 100

Ibrahim, N. B. N., 653

Ilstrup, D. M., 207 Imia-Fins, Ann. S73 Infectious Diseases Society of America, 112, 421, 422, 428, 431, 963 lñigo, Miguel A., 478 Innis, Bruce L., 248 Iranzo, Alex, 1019 Ironson, Gail, S73 Isenberg, Henry D., 808 Jacobs, Laurie G., 313 Jacoby, George A., 951 Jain, Ashok K., 253 Janda, J. Michael, 310 Jansson, Sten-Erik, 979 Jardin, François, 120 Jason, Leonard A., S54 Jehl, François, 324 Jemni, Letaief, 663 Jernigan, Daniel B., 385 Jevon, Gareth P., 91 Jiménez de Anta, María T., 873, 1027 Jimenez-Lucho, Victor, 585 Jimenez-Ocaña, C., 837 John, Chandy C., 188 Johnson, Daniel, 38 Johnson, David, S189 Johnson, Denise, 982 Johnson, James R., 258, 472, Johnson, Sharon, S54 Johnson, Susan K., S84 Jones, Brenda E., 650 Jones, James, S61. S115 Jones, Robert S., 830 Jost, Paul M., 395 Juhlin, Ingmar, 596 Juranek, Dennis D., 760 Juste-Sanchez, Concepcion, 213 Kaiser-Smith, Joanne, 336 Källenius, Gunilla, 596 Kamei, Katsuhiko, 305 Kamer, Russell, 166 Kansas City AIDS Research Consortium, the, 395 Kansu, Emin, 298 Kapatais-Zoumbos, Kaity, 694 Kaplan, Leonard J., 649 Karchmer, A. W., 181, 683 Karpuch, Julio, 482 Kastner, Robert J., 250 Kataja, Matti, 106 Kazacos, Kevin R., 868 Keating, M. R., 207 Keir, S., S126 Keller, R. H., S154 Kemper, Carol A., 636 Kennedy, Charles A., 799, 840 Khakoo, Rashida A., 838 Khan, Ali S., S121 Killen, Paul D., 704

Kim, David O., 468 Kindree, Diane, 844 Kitani, Teruo, S62 Kitchener-Smith, Janet, 118 Kith, Phalla, S11, S68 Klimas, Nancy, S73, S147, \$154, \$160, \$166 Klions, Douglas, 657 Klotz, Stephen A., 999 Knockaert, D. C., 601 Kobrine, Arthur, 354 Kohn, Orly F., 1004 Komaroff, Anthony L., S11. S86, S113, S166 Kombila, Maryvonne, 103 Kontovianis, Dimitrios P., 925 Koontz, Franklin P., 455 Kornish, J., S86 Koziol, Deloris E., 562 Kozol, Neil, S87 Kramer, Mordechai R., 348 Krause, Peter J., 421, 422, 428, Krčméry, Vladimir, Jr., 116 Kremsner, Peter G., 408 Kridl, J., 116 Krijger, Frederik W., 408 Kris, Mark, S189 Krupp, Lauren B., S24, S86, S105 Kuhls, Thomas L., 731 Kuhn, Suzanne M., 770 Kuijper, E. J., 780 Kunin, Calvin M., 1 Kuratsune, Hirohiko, S62 Kuriyama, Takayuki, 305 Laing, R. B. S., 829 Lam, Sing, 808 Lambruschini, N., 1027 Landay, Alan L., S136 Landman, David, 97 Lane, J. L., S154 Larsen, Robert A., 288 Laughlin, Mark A., 364 Lauwers, S., 1023 Laws, Edward, 553 Lawyer, Carl, S113, S114 Lebow, Robert C., 468 Lee, Joseph, 1025 Lee, Joshua, S11, S86 Leen, C. L. S., 829 Legré, Régis, 482 Lengerich, Eugene J., 760 Lentino, Joseph R., 470 Leo, Yee-Sin, 921 Lepicard, Anne, 842 Lesaint, Valérie, 487 Lesnik, Ivan K., 840 Letinier, Jean-Yves, 199 Leung, Chin Wan, 1025 Levi, Marilyn E., 127 Levin, E., 683

S32, S43, S49, S55, S57, S115 Levinger, S., 117 Levy, Jay A., S117, S136 Lewis, Andrew W., 799 Lichtenberg, Deborah A., 181 Lietman, Paul S., 533 Lightfoot, R. W., Jr., 112 Lillienfeld, David, 886 Lim, K. K. T., 653 Lin, Janet C., 651 Lina, Bruno, 487 Lincoln, Knut, 579 Lite, Josep, 1010 Ljungman, P., 547 Lloyd, Andrew R., S112, S134, \$142, \$160, \$162, \$163 Lobert, Pierre-Emmanuel, 744 Lomis, Michael, 816 Long, E. G., 606 Long, Gayle E., 610 Longer, Charles, 100 Lönnerholm, G., 547 Lopez, Robert, 805 López-Contreras, Joaquín, 243, Lopez-Labrador, X., 1027 López-Vélez, R., 656, 660 Lortholary, O., 826 Lott, Lennie, 390 Loudon, M., S111 Louie, Ted, 585 Loveless, Mark O., S88, S163 Loyd, James E., 123 Lozano, Alvaro, 494 Lozano, Luisa, 873 Lucas, Judith A., 868 Lucas, Sebastian, 119 Luft, B. J., 112 Lupidi, Remo, 661 Lutgendorf, Susan, S73, S147 Lyman, Gary, S189 MacDonald, Kristine L., 671 Mack, Douglas, 38 Mackowiak, Philip A., 318, 458, 895 Magill, Alan J., 83 Magnius, L., 547 Mahalanabis, D., 827 Mallolas, Josep, 873 Malone, Joseph L., 250 Manian, Farrin A., 841 Manso, Esther, 661 Markovitz, David M., 704 Marquette, Charles-Hugo, 845 Marrie, Thomas J., S79, 501 Martí-Belda, P., 493 Martin, E., 125 Martinez, Esteban, 243 Martínez, I. Montes, 557 Martone, William J., 421, 422, 428, 431 Mascaró, J., 486

Maslow, Joel N., 473, 1018 Mason, John O., 805 Massey, Clara V., 648 Masur, Henry, S217, S223, Matsiota-Bernard, Peggy, 120 Matsuda, Juzo, 832, 1021 Matthew, Earl B., 260 Maxwell, L. P., 838 McAuley, James B., 38, 868 McClean, Karen L., 259 McCloskey, Carolyn A., 946 McDonald, Clifford L., 648 McGarry, F., S126 McGowan, John E., Jr., 421, 422, 428, 431 McKinsey, David S., 395 McLane, Nick J., 1012 McLeod, Rima, 38 McMillan, Julia A., 868 McNeil, Michael, 476 McPetrie, Rosemary, 118 McShalley, Elizabeth D., 562 Meier, Paul, 38 Meis, Jacques F., 485, 1017 Melcher, Gregory P., 227 Melvin, Zita A., 181 Mendelson, Meryl H., 886 Mensa, Josep, 873 Messler, Gail, 921 Mets, Marilyn, 38 Meyer, Richard D., 921 Meyers, Burt R., 886 Meyniard, O., 654 Miguez, Maria Jose, S73 Mikol, J., 826 Miller, Laura, 694 Miller, Marjorie J., 130 Minisini, Rosalba, S260 Miralles, G. Diego, 833 Miramón, J., 493 Miró, Josep M., 873 Misaki, Hideo, S62 Mitchell, Mark A., 704 Miyaji, Makoto, 305 Moellering, Robert C., Jr., 544 Mohamed, Omar Nur, 106 Mohar, Alejandro, 719 Molina, Jean M., 453 Monasterio-Aspiri, Yasone, 213 Monegal-Ferran, Francesc, 213 Montefiore, David, S114 Moore, Joseph, 265 Moore, Lydia A., 395 Moreno, Asunción, 873 Morgan, R., S154 Morgan, Robert, S73 Morini. Jean-Pierre, 479 Morris, James F., 450 Morrison, Ellen A. B., 172 Mortelmans, L. A., 601 Moses, Allon E., 437

Mosier, Derek A., 731

Moss, Andrew R., 636 Moyano, R., 837 Muchada: B., 125 Mühlschlegel, Friedrich, 408 Mulder, Jan W., 942 Muldoon, Susan B., S54, S55 Müller, Werner E. G., S96 Mulligan, Maury Ellis, 473, 1018, S315 Muñoz, Patricia, 32 Murphy, David T., 736 Murphy, Robert L., 905 Murray, Evan W., 233 Musia, Janet, 639 Musser, James M., 91 Musso, Didier, 482 Myers, Martin G., 401 Nagao, Keiichi, 305 Natelson, Benjamin H., S84 Nauciel, Charles, 120, 255 Naveau, Sylvie, 842 Navin, Thomas R., 381 Neibart, Eric, 886 Neihart, Robert E., 395 Nelson, Jeffrey E., 992 Nelson, Steve, S197 Newshan, Gayle, 1022 Newton, James A., Jr., 840, 843 New York City Area Tuberculosis Working Group, the, 755 Ngoc, Canh Vu. 199 Nichols, Ronald Lee, S280 Nightingale, Stephen D., 128 Nimityongskul, Prasit, 256 Nishimura, Kazuko, 305 Nogales, M. C., 125 Nord, Carl Erik, S293 Nordling, Stig. 979 Nordmann, Patrice, 255, 655 Novak, S. M., 606 Öberg, G., 547 O'Connor, Mary C., 395 O'Donnell, James, 336 O'Hanlon, David P., 844 Ojo-Amaize, Emmanuel A., \$157 Olmedo, E., 1027 Olsson-Liljequist, Barbro, S293 Omezzine, Amel, 663 Onyango, Francis E., 639 Onyi, Grace, 736 Oo, Maung M., 650 Opravil, Milos, 94 Ordi-Ros, Jose, 213 Ortiz-Vigón, Ramón, 658 Osmon, D. R., 207 Oster, Charles N., 83 Osterholm, Michael T., 671 Otto, Gisela, 1015 Overturf, Gary D., 764 Owens, Jody L., 288 Ozer, Howard, S189

Pac, Visitacion, 938 Pahls, Stephan, 484 Panosian, Claire, 1013 Pappas, Peter G., 385, 805 Parenti, David M., 354 Parker, John S., 805 Parsonnet, Jeffrey, 437 Pascualy, Ralph, S68 Pasquau, F., 901 Patarca, Roberto, S73, S147 Patel, Dushyant, 38 Patel, Robin, 13, 207 Patrick, Christian C., 390 Patton, Diane, 38 Pauksen, K., 547 Paul, G., 654 Pechman, David, 166 Peetermans, Willy E., 1008 Peláez, Teresa, 32 Peltola, Heikki, 106 Peltola, Tuija-Liisa, 106 Pender, Howard, S162 Penkower, Lili, S54, S55 Pepper, C. M., S86 Perpich, Rudy, S163 Pertel, Peter, 630 Peter, James B., S157 Peterson, Daniel L., S88, S96 Petit. N., 664 Petri, William A., Jr., 141 Petrini, Björn, 596 Pfaller, M., 240 Phelps, Charles A., 929 Pialoux, G., 826 Picozzi, Vincent, S189 Piens, Marie-Antoinette, 447 Piette, Frédéric, 839 Pigrau-Serrallach, C., 122 Piliero, Peter J., 985 Pincetl. Pierre. 261 Pinching, Anthony J., S243 Pitchon, Howard E., 921 Pizzo, Philip A., 793 Plancarte, A., 879 Pleskow, Douglas K., 819 Plouffe, Joseph F., 905 Policar, Maurice, 886 Pollner, Jane H., 354 Pomposelli, F. B., 683 Pontón, José, 480, 658 Porayko, M. K., 207 Porschen, R. K., 606 Potaznick, Walter, S87 Potts, M. J., 653 Powderly, William G., 789 Prada, José Luís, 1024 Priel, Israel, 126 Puig, Mireia, 243, 1019 Pujol, Ramon, 938 Ouereda, C., 493 Quillian, Ruth, S73 Quimosing, Estelita M., 267 Ouindós, Guillermo, 480, 658

Rábano, J., 810 Rabodonirina, Meia, 447 Raffanti, Stephen P., 339 Rahav, G., 117 Ramsey, Keith M., 256, 648 Ranzini, Angela C., 364 Ratovohery, D., 654 Rausch, Gregory, \$189 Ravaux, I., 664 Ray, Tamara D., 256 Recalde, Scott, 755 Redding, S., 240 Reddy, Sujatha, 886 Reichenbach, Nancy L., S96. S113 Reiss, Peter, 942 Reiter, W. M., S154 Remington, Jack S., 38, 853 Reyes, Ricardo R., 348 Rhine-Chalberg, J., 240 Richard-Lenoble, Dominique, Richardson, W. Scott, 995 Rickman, Leland S., 610 Rinaldi, M., 240 Rinaldi, Michael G., 77, 266. Rios Gonçalves, Adrelirio José, Ris, Josep, 243, 1019 Risbourg, Marlène, 655 Ritvo, Paul G., S79 Roberts, F. J., 896 Roberts, J., 879 Rodes, J., 1027 Rodríguez, Isabel, 494 Rodríguez, Mónica, 1010 Rodríguez-Créixems, Marta, 32 Rogeaux, Olivier, 319 Roizen, Nancy, 38 Romani, R., 477 Ronco, Esthel, 255 Rooney, Jane Aline, 14 Rosenblum, B. 1., 683 Rosenfeld, Elaine A., 750 Rosenkaimer, Frank, 381 Ross, Lynn, S79 Rosseel, P., 1023 Rota, R., 486 Roudier, Caroline, 319 Rougier, Philippe, 447 Rovito, Marc A., 657 Rowley, Anne H., 750 Rozenbaum, Ronaldo, 369 Rozenberg-Arska, M., 489 Rubio, Casilda, 401 Rutherford, C., S86 Ruutu, Petri, 979 Ruutu, Tapani, 979 Saag, Michael S., 789 Sable, Carole A., 273 Sadzot-Delvaux, C., 570 Safrin, Sharon, 905

Saghafi, L., 25 Saitoh, Noriko, 832, 1021 Salina, Doreen, \$54 Salminen, Sinikka, 106 Salvato, Patricia, S88 Samonis, George, 925 Samore, Matthew H., 181 Sánchez, J. E. García, 557 Sánchez, Rosario, 32 Sánchez-Guijó, Pedro, 1024 Sanchez-Mejorada, Gerardo, 719 Sánchez-Porto, A., 478 Sanchez-Tapias, J. M., 1027 Sandberg, Torsten, 579, 1015 Sanders, Lisa Istorico, 385 Sanghera, Kanwalwir, 166 Santolaya, María Elena, 589 Sarai, Abey, 97 Sarosi, George A., 974 Sarti. E., 879 Sarubbi, Felix A., 233 Sathe. Sadhana S., 97 Satishchandran, Vilas, 830 Sattler, Fred R., 905 Savatski, Laura L., 770 Saxén, Harri, 414 Saxén, Lauri, 414 Scaglia, Massimo, 661 Scerpella, Ernesto G., 440 Schaeffer, F. W., III, 606 Schaffner, Andreas, 484 Schantz, P. M., 879 Scheutz, Flemming, 579 Schey, William, 38 Schlech, Walter F., S79 Schlesinger, Larry S., 455 Schmitt, James M., 562 Schonberger, Lawrence B., \$121 Schreiber, John R., 863 Schricker, Mary E., 863 Schröder, Heinz C., S96 Schur, P., S86 Schwartz, Arnold, 354 Sebald, Madeleine, S297 Selva-O'Callaghan, Albert, 213 Sepkowitz, Kent A., 755 Servais, Gary, 492 Sewell, David L., 450 Shah, Haroun N., S287 Shapiro, David E., S88 Shapiro, Mervyn, 437 Sharp, Trueman, 100 Sheehan, Gerard J., 259 Shelokov, Alexis, S9 Shelton, Brent, 905 Shema, Sarah J., 390 Shiboski, Steve, 636 Shinabarger, Curtis E., 633 Shinkarow, Jane, 336 Shulman, Michael, 585 Sicard, D., 654

Silcox, Vella, 121 Sillis, Margaret, 488 Silverman, A., 570 Simonsson, B., 547 Simpson, K., S126 Sinha, Saswati D., S121 Sirisanthana, Thira, 246 Sivonen, Aulikki, 979 Sjölin, J., 547 Skidmore, Ember A., 313 Smego, Raymond A., Jr., 847 Smith, J., 240 Smith, James W., 127 Smith, Jeffrey W., S280 Smith, Roy, S189 Smyth, Edmond G., 443 Sneller, Michael, 694 Snoeck, R., 570 Snoy, Phil, 694 Sobol, Robert W., S96 Sorbello, Alfred F., 336 Soriano, Eladio, 873 Soriano, F., 810, 835 Sorice. F., 477 Soubani, Ayman O., 475 Soulis, Maria, 73 Spear, R. Kenneth, 633 Stahl, Charlotte J., 1022 Stanberry, Lawrence R., 401 Stanek, Edward J., III, 639 Stansell, John, 905 Statham, P., 829 Steciw, Ann. 474 Steele, Arthur D. McG., 661 Stein, Laszlo, 38 Stein, Mark, 38 Steinbach, Thomas, S114 Stelma, G. N., 606 Stenling, R., 654 Stevens, David A., 470 Stevenson, Kurt B., 233 Stewart, Morgan, S189 Stoeckle, Mark Y., 263 Stoller, Ronald, S189 Stone, Roslyn A., S54 Stracher, Adam R., 263 Strayer, David R., S88, S96, S113 Strickman, Daniel, 624 Suárez, Avelina, 766 Suhadolnik, Robert J., S96, Supparatpinyo, Khuanchai, 246 Svanborg, Catharina, 1015 Sweet. Richard L., 421, 422. 428, 431 Swisher, Charles, 38 Szabo, Susan, 886 Tabbara, Imad, S189 Tacconelli, Evelina, 1007 Taddesse-Heath, Lekidelu, 989 Taelman, Henri, 119

Tagawa, Shinichi, S62

Takahashi, Mamoru, S62 Tambini, Roberto, 194 Tan, Rusung, 492 Tardy, Bernard, 1016 Tärnvik, A., 654 Taylor, Stephanie L., S54 Tekuzman, Gülten, 298 Telatar, Hasan, 298 Tellez, Odilia, 719 Telzak, Edward E., 755 Terrell, Christine L., 13 Thaithumyanon, Pimolratn, Thalhammer, Florian, 408 Thiebaut, J. B., 826 Thisyakorn, Usa, 248 Thompson, Carol, S88 Thompson, George H., 863 Thornton, Scott, 100 Tilley, P. A. G., 896 Tittarelli, Rolando, 661 Tjia, H. G., 780 Tlucko, Alena, 181 Tomberlin, Marcus G., 288 Torre, Donato, 194 Torre-Cisneros, Julian, 1024 Torres, Ramón A., 1022 Torres-Tortosa, M., 478 Towns, Michael L., 265 Trani, Gabriella, S260 Trepo, Christian, 447 Tricot, G., 570 Trilla, Antoni, 873 Tripathi, Harsha J., 651 Trotot. P., 826 Truant. Allan L., 830 Trupl, J., 116 Tsukamoto, Miyo, 832, 1021 Tsutaoka, Ben. 982 Tuazon, Carmelita U., 261, 553 Tuittula, Tuija, 106 Tumbarello, Mario, 1007 Tuna, Ishik C., 633 Tunkel, Allan R., 657 Ulleryd, Peter, 579 Umali, Phoebe, S11 Unno, Hiromichi, 305 Uttamchandani, Raj B., 348 Uzun, Ömrüm, 298 Vadillo, Miquel, 938 Valerio, L., 486 Valtier, Bruno, 120 Valverde, Francisco, 1024 van Belkum, Alex, 1017 Van de Perre, Philippe, 119 van der Poll. Tom. 942 Van Melle, G., 25 van Riel, Flavia, S73, S154 van't Wout, J. W., 525 Varaldo, Pietro E., 661 Vartivarian, Shahe, 925 Vazeux, R., 826 Vazquez, Antonio, 766

Vazquez, Carolina, 719 Vázquez, J. A., 161 Veenstra, Jan, 942 Verhoef, J., 489 Vermylen, J., 1008 Verschraegen, G., 1023 Vetter, Denis, 324 Vilar, A., 901 Vilardell, J., 1027 Vilardell-Tarres, Miquel, 122, Villanueva, José Luís, 1024 Vincent, Martha, S189 Vindimian, Monique, 1016 Visvesvara, Govinda S., 661 Viver, Josep, 1010 Vlahov, David, 562 Volkow, Patricia, 719 von Graevenitz, Alexander, 94 Vullo, V., 477 Wafula, Ezekial M., 639 Wagle, Sudhakar, S114 Wagner, Lynne, S54 Wåhlén, Per, 596 Waites. Ken B., 385 Wakefield, Denis, S112, S142 Wallace, Mark R., 100, 257, 843 Wallace, Richard J., Jr., 121, 476, 736 Wallet, Frédéric, 845 Walsh, Thomas J., 793 Wanke, Christine A., 802, 819 Warnock, D. W., 653 Watanakunakorn, Chatrchai, 1022 Watt, George, 624 Wattre, Pierre, 744 Weems, J. John, Jr., 1012 Weersink, A. J. L., 489 Weinberger, Miriam, 437 Weiner, Leonard B., 868 Weinroth, Stephen E., 261 Weinstein, Arthur, 166 Weiss, Peter J., 257 Welker, Yves, 453 Wenzel, Richard P., 421, 422, 428, 431 Westerhof, P. W., 489 Westphal, Jean-Frédéric, 324 Westphal, Sydney A., 974 White, Valerie, 492 Whiteside, Theresa L., S55 Whitman, Marc S., 657 Wilke, William S., S28 Wilson, Andrew, S112 Wilson, Kenneth H., 958 Wilson, M., 879 Winkelman, J., S86 Withers, Shawn, 38 Witzig, Richard S., 267 Wolf, Judith E., 364 Wolters, Cheryl, 38

- Wong, Sin-Yew, 853 Woods, Charles R., 662 Woods, Gail L., S227 Woods, Toni C., S121 Worden, Gretchen, 458 Wozniak, Edward J., 868 Wurtz, Rebecca, 620
- Wybenga, D., S86 Wynn, R. F., 829 Yahanda, Anne, S189 Yamaguchi, Elena, 348 Yamaguti, Kouzi, S62 Yamanaka-Yuen, Nancy A., 533
- Yew, Wing Wai, 1025 Yinnon, Amos M., 113 Zadok, David, 482 Zahid, Mubashir A., 999 Zamani, Amir, 985 Zapardiel, J., 835 Zawacki, Bruce, 77
- Zeni. Fabrice, 1016 Zeroli. Claudia, 194 Zinser, Juan W., 719 Ziv. Francine, 313 Zolopa, Andrew R., 636 Zotter, Gertraud M., 408

## **Subject Index**

Abdominal aneurysm, Rothia dentocariosa infection and (letter), 489

Abdominal infections, anaerobic, \$280

treatment, \$305

Abdominal pain, due to cimetidine (letter), 468

ABO blood groups, cholera susceptibility and (letter), 827

Abortion

due to Gardnerella vaginalis infection (letter), 125

therapeutic, in toxoplasmosis, 853

Abscess

brain, in sinusitis, 750

brain stem, treatment with antibiotics, 219

corneal, treatment with fluconazole (letter), 482

intraabdominal, due to anaerobic bacteria, \$280

kidney

due to group B Streptococcus (letter), 662

due to Torulopsis glabrata, treatment with fluconazole (letter), 116

liver

due to Actinomyces meyeri (letter), 491

due to Listeria monocytogenes (letter), 841

due to Staphylococcus aureus, in HIV infection, 802

due to Yersinia enterocolitica, 938

retropharyngeal, in vertebral osteomyelitis, 992

subphrenic, citrobacter pericarditis secondary to (letter), 838

Acanthamoeba castellanii keratitis, case report (letter), 661

Acinetobacter

bacteremia, risk factors for, 896

meningitis, associated with complement deficiency, 780

Acquired immunodeficiency syndrome (see Human immunodeficiency virus infection)

Actinobacillus actinomycetemcomitans

endocarditis, clinical manifestations (letter), 115

pneumonia, Actinomyces israelii with, 450

Actinomyces israelii, pneumonia, Actinobacillus actinomycetemcomitans with 450

Actinomyces meyeri infections, liver (letter), 491

Acyclovir

for heart transplantation, 141

for HIV infection, 516

prophylactic, in bone marrow transplantation, 273

for relapsing chickenpox, 785

resistance to, 570

for varicella-zoster virus infection, in HIV infection, 810

Acylcarnitine deficiency, in chronic fatigue syndrome, S62

Adenosine deaminase, serum levels, in intravenous drug users (letter), 478

Adenovirus infections, renal, in HIV infection, 989

Adhesins

anaerobic bacteria, \$253

host defenses and (letter and reply), 472, 473

Adult respiratory distress syndrome, in leptospirosis, 1004

Aeromonas hydrophila empyema, case report (letter), 474

Aeromonas peritonitis, case reports, 32

Aerosolized administration, pentamidine, for *Pneumocystis carinii* pneumonia prophylaxis (letter), 257

Agar dilution method, for susceptibility testing, anaerobic bacteria, \$293

Agrobacterium infections, catheter-induced, 914

AIDS (see Human immunodeficiency virus infection)

Albendazole, for microsporidiosis, in HIV infection, 819

Alcoholism, Pneumocystis carinii pneumonia in, with HIV infection (letter), 470

Allergic bronchopulmonary mycosis, due to Schizophyllum commune, 305

Allopurinol, for leishmaniasis, 813

Amikacin

for Mycobacterium avium complex infections, in HIV infection, S237

for nocardiosis, in HIV infection, 348

Aminoglycosides, toxicity, in cirrhosis, 324

Amoxicillin

for endocarditis prophylaxis, 157

for pneumonia, community-acquired, 501

Amoxicillin-clavulanic acid, for breast infection, 73

Amphotericin B

for bronchial aspergillosis (letter), 123

for Candida tropicalis infection, 440

for leishmaniasis (letter), 1024

for osteomyelitis due to Candida albicans (letter), 126

for Penicillium marneffei infection, 246

for pneumonia due to Aspergillus fumigatus (letter and reply), 484, 485

in pregnancy, 364

for rhinocerebral mucormycosis (letter and reply), 653, 654

for urinary tract infections, 313

Ampicillin

for brain stem abscess, 219

for pneumococcal meningitis, penicillin-resistant, 188

resistance to, S297, 946

Ampicillin/sulbactam

for anaerobic infections, \$305

for foot infections, in diabetes mellitus, 683

for liver abscess due to Listeria monocytogenes (letter), 841

Ampligen (see Poly(1) · poly(C12U))

Anaerobic bacteria (see also Anaerobic infections)

culture of, S248

in dental plaque, S287

historical aspects, S245, S248

identification, S250

metabolism, S253

pathogenic, identification, \$250

in polymicrobial infections, S280

treatment, S305

susceptibility testing, S293

virulence factors, \$253

gram-negative, \$260

Anaerobic infections animal models, \$305

intracranial, 750

necrotizing pneumonia caused by, 450

outcome, improvement, S311

surgical perspective of, \$280

treatment, S273, S305, S315

Anaerobiospirillum succiniciproducens diarrhea, treatment, S273

Anemia, aplastic, during mefloquine prophylaxis (letter), 263

Anesthesia, spinal, Streptococcus salivarius meningitis after (letter), 840 Aneurysm, abdominal, Rothia dentocariosa infection and (letter), 489

Angiomatosis, bacillary

bacterial detection in, 958

in HIV infection, due to animals, 14

Animals

bites from, anaerobic infections due to, treatment, S273

group IVc-2 bacterial infection from, 482

opportunistic infections from, 14

due to Mycoplasma arginini (letter), 488

Pasteurella multocida infection from (letter), 486, 842

septic arthritis studies in, 694 Antibiotics (see also specific drug and infection)

in colon decontamination, S280

exposure to, presence of Clostridium difficile, \$265

pharmacokinetics, in hepatic cirrhosis, 324

prophylactic (see Prophylaxis)

pseudomembranous enterocolitis associated with, due to Clostridium difficile, 982

resistance to (see Drug resistance)

susceptibility testing (see Susceptibility testing)

Antibodies

to cryptosporidia, in pediatric population, 731

to endotoxin, in septic shock, \$205

to phospholipids, in Q fever, 213

Anticardiolipin antibodies, in Q fever, 213

Anticoagulant, lupus, in Q fever, 213

Antigens, measurement

in cryptococcal meningitis, 789

in Schistosoma haematobium infection, 408

Antimony compounds, for leishmaniasis, 381

pancreatitis due to, 83

Antineoplastic drugs (see Chemotherapy (antimicrobial))

Antiphospholipid antibodies, in Q fever, 213

Antiretroviral agents, resistance to, 149

Aplasia, pure red cell, in parvovirus infection (letter), 651

Aplastic anemia, during mefloquine prophylaxis (letter), 263

Apnea, sleep, in chronic fatigue syndrome, \$68

Appendicitis

bacteremia in, due to Bilophila wadsworthia (letter), 1023

gastrointestinal tuberculosis mimicking (letter), 650

treatment, S305

Arachidonic acid metabolites, in septic shock, \$205

Arcanobacterium haemolyticum infections, soft-tissue (letter), 835

Arthritis, septic

due to Mycoplasma, animal studies, 694

due to Nocardia asteroides (letter), 256

Artificial heart, infections due to, 141

Ascitic fluid, antibiotic penetration, in cirrhosis, 324

Aseptic meningitis, granulocytic, due to intravenous immunoglobulin

therapy (letter), 1008

Aspergillosis

in hematologic disorders, 525, 793

after transplantation

bone marrow, 273

lung (letter), 123

Aspergillus fumigatus pneumonia, treatment (letter and reply), 484, 485

Atevirdine, resistance to, 149

A herosclerosis, after heart transplantation, cytomegalovirus and, 141

Atrial myxoma, infection (letter), 657

Azithromycin, for Mycobacterium avium complex infections, in HIV

infection, S237

prophylactic, S223

Bacillary angiomatosis

due to animal exposure, in HIV infection, 14

bacterial detection in, 958

Bacille Calmette-Guérin, vertebral osteomyelitis from (letter), 1013

Bacillus cereus osteomyelitis, in adolescents, 863

Bacteremia (see also Septicemia)

due to Acinetobacter, risk factors for, 896

due to anaerobic bacteria

in mastoiditis, 633

treatment, S273

due to Bilophila wadsworthia, in appendicitis (letter), 1023

in bone marrow transplantation, 273

due to Brevibacterium, in immunodeficiency (letter), 487

due to catheters (see Catheter-induced infections)

due to Corynebacterium striatum, in HIV infection (letter), 1007

due to Gardnerella vaginalis (letter), 125

due to Lactobacillus, in liver transplantation, 207

due to Mycobacterium avium complex, in HIV infection, S218, S223,

due to Mycobacterium neoaurum, 1002

due to Pseudomonas aeruginosa

in HIV infection, 886

in immunocompromised children, 390

in pyelonephritis, pathogenesis (letter and reply), 1014, 1015

due to Salmonella, relapse, 873

due to Staphylococcus aureus, from hand injury (letter), 469

due to Streptococcus bovis, with strongyliasis, 253

treatment, quality standards for, 428

due to Tsukamurella paurometabolum, in hemodialysis (letter), 830

due to viridans streptococci, 25

Bacteriuria, in females, 1

Bacteroides

in dental plaque, S287

drug resistance in, S297

identification, S287

virulence factors, S253, S260, S287

Basidiomycetous fungal infections, bronchopulmonary, 305

Baylisascaris procyonis meningoencephalitis in infant, 868

Behavioral treatment, for chronic fatigue syndrome, S105, S112

Bethanechol, for malacoplakia, 704

Bilophila wadsworthia bacteremia, in appendicitis (letter), 1023

Biopsy, small intestine, liver abscess in, 802

Bites

animal, anaerobic infections in, treatment, S273

dog, Capnocytophaga canimorsus meningitis from (letter), 654

tick, varicelliform rash from (letter), 118

Bladder

bacille Calmette-Guérin instillation in, vertebral osteomyelitis from

(letter), 1013

irrigation with amphotericin B, for urinary tract infections, 313

Blastomyces dermatitidis

endophthalmitis, 805

meningitis, pleocytosis in, 816

sinusitis (letter), 267

Blood, exposure to, in health care workers, universal precautions and, 562

Blood groups, cholera susceptibility and (letter), 827

Bone infections (see also Osteomyelitis)

in HIV infection

syphilitic, 250

tuberculous (letter), 260

Bone marrow transplantation

infections after, 273

colony-stimulating factors for, S180

fungal, risk factors for, 525, 793

due to Mycobacterium neoaurum, 1002

poliovirus immunity and, 547

Book reviews

Cell Wall-Deficient Forms: Stealth Pathogens, 667

Practical Diagnosis of Viral Infections, 130

Borrelia hispanica, vs. Borrelia burgdorferi (letter and reply), 493, 494

Borreliosis (see Lyme disease)

Bovine leukemia virus, not associated with chronic fatigue syndrome,

Brain

abscess, in sinusitis, 750

calcification, due to Toxoplasma gondii, 38

cancer, in chronic fatigue syndrome, S49

infections

after heart transplantation, 141

due to Schistosoma haematobium, 354

Brain stem abscess, treatment with antibiotics, 219

Breast infection, nonpuerperal, treatment, 73

Brevibacterium bacteremia, in immunodeficiency (letter), 487

British Columbia, Lyme disease epidemiology in (letter and reply), 844 Bronchiolitis obliterans organizing pneumonia, in HIV infection, 921

Bronchopulmonary infections

due to Aspergillus, after lung transplantation (letter), 123

due to Schizophyllum commune, 305

Broth microdilution method, for susceptibility testing, anaerobic bacteria, \$293

Burn patients, infections in

due to Acinetobacter, 896

due to Candida rugosa, 77

treatment with granulocyte colony-stimulating factor, S197

Cachexia, in HIV infection, treatment with pentoxifylline, 97

Calcification, intracranial, due to Toxoplasma gondii, 38

Cameroon, Schistosoma haematobium infection in, treatment, 408

Campylobacter fetus endocarditis, case reports, 443

Campylobacteriosis, in HIV infection, 14

Cancer (see also Chemotherapy [antineoplastic]; Leukemia)

fever in, C-reactive protein measurement in, 589

infections in

due to Acinetobacter, 896

catheter-induced, 194, 719

due to Cunninghamella bertholletiae, 925

fungal, risk factors for, 525, 793

gastrointestinal candidiasis, treatment with fluconazole, 298

due to human papillomavirus, 172

due to Pseudomonas aeruginosa, 390

due to viridans streptococci, 25

susceptibility to, in chronic fatigue syndrome, S49

Candida albicans

drug resistance in, 240

oral carriage (letter), 480

Candida albicans infections

in bone marrow transplantation, 273 corneal abscess, treatment with fluconazole (letter), 482

fungemia, in pregnancy, treatment with amphotericin B, 364

in hematologic disorders, 525, 793

invasive, treatment, aspergillosis development in (letter and reply), 484, 485

osteomyelitis, treatment

drug interactions in (letter), 259

with fluconazole (letter), 126

Candida famata peritonitis, treatment failure (letter), 658

Candida parapsilosis carriage, epidemiology (letter), 480

Candida rugosa fungemia, in burn patients, nystatin resistance in, 77

Candida tropicalis fungus balls, kidney failure from, 440

Candidiasis

gastrointestinal, in cancer, treatment with fluconazole, 298

hepatosplenic, in leukemia, 979

oropharyngeal

in cancer, treatment with fluconazole, 298

in HIV infection, fluconazole resistance in, 240

Capnocytophaga canimorsus meningitis, from dog bite (letter), 654

Capsule, anaerobic bacteria, \$260

Capture assay, for p24 antigen (letter), 1021

Carbapenem, resistance to, \$297

Cardiac arrhythmias, during erythromycin therapy, 995

Cardiolipin antibodies, in Q fever, 213

Carnitine levels, in chronic fatigue syndrome, S62

Cat(s)

Nocardia brasiliensis infection from (letter), 649

opportunistic infections from, 14

Pasteurella multocida infection from (letter), 486

toxoplasmosis from, 853

Catheter-induced infections (urinary), fungal, 313

Catheter-induced infections (vascular devices)

due to Acinetobacter, 896

due to Agrobacterium, 914

in bone marrow transplantation, 273

with long-term use, risks, 719

due to Mycobacterium neoaurum, 1002

due to Ochrobactrum anthropi, 914

due to Pseudomonas aeruginosa, in HIV infection, 886

in subcutaneous tunnel insertion, 199

due to Tsukamurella paurometabolum (letter), 830

CD4 molecule, soluble, for HIV infection, 516

CD8 lymphocytes, activation, in chronic fatigue syndrome, S117, S136

Cefotaxime

for pneumococcal meningitis, penicillin-resistant, 188

resistance to, 766

Cefoxitin, for anaerobic infections, S305

Ceftazidime, for brain stem abscess, 219

Ceftriaxone

for nocardiosis, in HIV infection, 348

for pneumococcal meningitis, penicillin-resistant, 188

Cefuroxime, for nocardiosis, in HIV infection, 348

Centers for Disease Control

chronic fatigue syndrome definition, S11

Group IVc-2 bacterial infection (letter), 482

Cephalosporins

for anaerobic infections, \$273

for heart transplantation, 141

for pneumococcal meningitis, penicillin-resistant, 188

for pneumonia, community-acquired, 501

resistance to, S297

for respiratory infections, 946

toxicity, in cirrhosis, 324

Cerebrospinal fluid

abnormal, due to Toxoplasma gondii, 38

herpes simplex virus detection in, 744

leakage, in transsphenoidal surgery, 553

pleocytosis, in Blastomycosis dermatitidis meningitis, 816

testing, for neurosyphilis, in HIV infection, 288, 295

Cervical cancer, human papillomavirus infection and, 172 Cesarean section, dengue infection complications of, 248

Chemotaxis, molecular events in, \$170

Chemotaxonomic methods, in anaerobic bacteria identification, \$250

Chemotherapy (antimicrobial) (see Antibiotics)

Chemotherapy (antineoplastic)

Cunninghamella bertholletiae infections in, 925

neutropenia in

treatment with colony-stimulating factors, \$180, \$189

viridans streptococci in, 25

Chickenpox, relapsing, in lymphoma, 785

Children, infections in (see Pediatric infections)

Chlamydia pneumoniae pneumonia, community-acquired, 501

Chloramphenicol, resistance to, \$297, 946

Cholera, susceptibility to, ABO blood groups and (letter), 827

Cholestatic hepatitis, from clarithromycin therapy (letter), 1025

Chorioamnionitis, due to Gardnerella vaginalis (letter), 10

Chronic fatigue immune dysfunction syndrome (see Chronic fatigue syndrome)

Chronic fatigue syndrome

acylcarnitine deficiency in, S62

cancer susceptibility in, S49

cluster definition for, \$16

cognitive functioning in, S84

cytokine production in, S147 during exercise, S142

definition, S11, S57

depression in, \$86

cognitive behavioral treatment, S105

diagnostic criteria, S11

economic impact, \$162

epidemiology, S10, S57

cancer susceptibility and, S49

of clusters, S16, S55, S57

in Connecticut, \$16

historical aspects, S3, S7

interpersonal contact and, S54

in Maryland, S16

neurologic symptoms in, S32

in Nevada, S16, S49

in Northern England, S16

in nurses, S54

in pediatric patients, S21

sick building syndrome and, S43

systemic symptoms in, S32

fatigue impact in, \$79

historical aspects, S3, S7, S9

human leukocyte antigens in, S154

illness burden in, S73

immunologic abnormalities in, S117, S136

cytokine production in, \$142, \$147

human leukocyte antigens in, S154

laboratory values in, S86

natural killer cell dysfunction in, S157

tumor necrosis factor dysregulation in, S147

laboratory abnormalities in, S86

mental status in, S73, S86

natural killer cell activity in, S157

neurologic symptoms in, S32

ocular manifestations, S87

pesticides and, S54

psychosocial correlates, \$73

public policy on, \$163

quality of life in, S79

research status in, \$166

sick building syndrome and, S43

sleep disorders in, \$68

systemic symptoms in, S32

treatment

cognitive behavioral, \$105, \$112

immunologic therapy in, S112

kutapressin in, S113, S114

multidisciplinary approach, S112

poly(1) · poly(C<sub>12</sub>U) in, S88, S96

with sertraline, S111

viruses associated with, \$117

Epstein-Barr, S117, S130 lack of evidence for, S121, S126

vs. juvenile fibromyalgia syndrome, S21

vs. Kyasanur Forest disease, S9

vs. Lyme disease, S24

vs. multiple sclerosis, psychological aspects, S86

vs. simian hemorrhagic fever, S9

vs. Sjögren's syndrome, S28

Cilastatin, for foot infections, in diabetes mellitus, 683

Cimetidine, adverse effects (letter), 468

Ciprofloxacin

for malacoplakia, 704

for Mycobacterium avium complex infections, in HIV infection, \$237

for Mycobacterium chelonae infections, 999

Circulating antigens, measurement, in Schistosoma haematobium infection, 408

Cirrhosis, hepatic

cytokine levels in (letter and reply), 1015, 1016

infections in, treatment, 324

Pasteurella multocida infection in (letter), 486

peritonitis in, due to Nocardia asteroides (letter), 1010

Citrobacter diversus pericarditis, with subphrenic abscess (letter), 838

Clarithromycin

for Mycobacterium avium complex infections in HIV infection, S233, S237

prophylactic, S223

for Mycobacterium chelonae infections, 999

cholestatic hepatitis from (letter), 1025

for Mycobacterium marinum infection (letter), 664

Clavulanate, resistance to, \$297

Clindamycin

for anaerobic infections, \$273, \$305

for Pneumocystis carinii pneumonia, in HIV infection, 905

resistance to, \$297

in necrotizing pneumonia, 450

for toxic shock syndrome, 437

Clofazimine, for Mycobacterium avium complex infections

in HIV infection, S237

prophylactic, S223

Clostridium

drug resistance in, S297

myonecrosis, S280

virulence factors, \$253

Clostridium bifermentans endocarditis, case report (letter), 837

Clostridium difficile

epidemiology, in tertiary care hospital, 181

historical review, \$265

pseudomembranous enteritis, 982 Clostridium piliforme, detection, 958

Cloxacillin, for Arcanobacterium haemolyticum infections (letter), 835

Coagulation disorders

in dengue infection, 248

in temafloxacin syndrome, 946

Coccidioidomycosis

disseminated, eosinophilia in, 627

in HIV infection (letter), 262

pulmonary, diabetic ketoacidosis with, 974

treatment (letter), 470

Cognitive behavioral treatment, in chronic fatigue syndrome,

Cognitive function, in chronic fatigue syndrome, S84

pseudomembranous, due to Clostridium difficile, S265

due to Strongyloides stercoralis, with Streptococcus bovis infection and HIV infection, 253

Colon, decontamination, before resection, \$280

Colonization

Candida rugosa, in burn patients, 77

Clostridium difficile, in tertiary care hospital, 181

Mycobacterium avium complex, in HIV infection, S218

Colony-stimulating factors

for infections, S180

due to Fusarium oxysporum (letter), 490

in nonneutropenic host, S197

for neutropenia in chemotherapy, S189

Complement deficiency, meningitis in, 780

Computed tomography, in Eastern equine encephalitis, 985

Congenital disorders, toxoplasmosis, treatment outcome, 38

Continuous ambulatory peritoneal dialysis, Candida famata peritonitis in (letter), 658

Coping strategies, in chronic fatigue syndrome, S73

Cornea, abscess, treatment with fluconazole (letter), 482

Corticosteroids

for bronchiolitis obliterans organizing pneumonia, in HIV infection,

for cerebral infection, due to Schistosoma haematobium, 354

for trimethoprim-sulfamethoxazole adverse reactions, 319

Corynebacterium diphtheriae, isolated from intravenous drug users, 94

Corynebacterium striatum bacteremia, in HIV infection (letter), 1007 Corynebacterium xerosis pneumonia, in leukemia (letter), 845

Cost, of parainfluenza virus infections, in pediatric patients, 770

Coxiella burnetii infections

antiphospholipid antibodies in, 213

pneumonia, 501

C-reactive protein, measurement of, in fever, 589

Cryoglobulinemia, in viral infections (letter), 832

Cryptococcosis

epidemiology, 369

in HIV infection (letter). 262

due to animals, 14

diagnosis (letter), 119

with Pneumocystis carinii pneumonia (letter), 113

meningitis, antigen measurement in, 789

pulmonary, lymphocytopenia in (letter), 651

Cryptosporidiosis

diarrhea in, treatment with paromomycin, 447

in HIV infection

due to animals, 14

treatment with paromomycin, 447

Cryptosporidium parvum, antibodies to, in pediatric population, 731

Culture

anaerobic bacteria, S248

bacteria resistant to, detection, 958

Mycobacterium avium complex, S227

Cunninghamella bertholletiae infections, in cancer, 925

Cyclospora infections, diarrhea in, 606, 620

Cyclosporine, for infections after heart transplantation, 141

Cysticercosis, due to Taenia solium, epidemiology, 879

Cystitis, due to Toxoplasma gondii, in HIV infection, 453

Cytokines

activation, in recalcitrant erythematous desquamating disorder, 942

in chronic fatigue syndrome, S147

and exercise, \$142

dysregulation, in HIV infection, treatment with pentoxifylline, 285

in hepatic cirrhosis (letter and reply), 1015, 1016

in septic shock, \$205

Cytomegalovirus infections

after bone marrow transplantation, 273

after heart transplantation, 141

polyradiculopathy in (letter and reply), 1019, 1020

retinitis, in idiopathic CD4 T lymphocytopenia (letter), 1012

Dapsone, adverse effects, in HIV infection, 630

Dengue infection, cesarean section in, complications, 248

Dental plaque, anaerobic bacteria in, S287

Dental procedures, endocarditis prophylaxis for, 157

Depression, in chronic fatigue syndrome, S73, S86

cognitive behavioral treatment, S105

Dermatomyositis, due to Borrelia burgdorferi, 166

Developing countries, medicine donations to (letter), 847

Diabetes mellitus, infections in

coccidioidomycosis, 974

due to Escherichia coli (letter), 117

due to anaerobic bacteria, \$273

treatment 683

bacteremia in, due to Tsukamurella paurometabolum (letter), 830

peritonitis in, due to Candida famata (letter), 658

due to anaerobic bacteria, treatment, S273

due to Clostridium difficile, S265

in tertiary care hospital, 181

due to Cryptosporidium, 731

treatment with paromomycin, 447

due to Cyclospora, 606, 620

due to Giardia, 760, 764

due to Microsporidia, clinical features, 819

travelers', due to Cyclospora, 606

due to Vibrio cholerae, susceptibility to, ABO blood groups and (let-

ter), 827 Didanosine

for HIV infection, 516

resistance to, 149

Dideoxycytidine, for HIV infection, 516

Differential agglutination test, for toxoplasmosis, 853

Digoxin, interaction with itraconazole (letter), 259

Diphtheria, due to Corvnebacterium diphtheriae, in intravenous drug

Disk diffusion method, for susceptibility testing of anaerobic bacteria, S293

Distributive shock, etiology, 726

DNA probes, in anaerobic bacteria identification, \$250

DNA sequencing, in bacterial detection, 958

Dog bites. Capnocytophaga canimorsus meningitis from (letter), 654

Donations, of medicines, to developing countries (letter), 847

Doxycycline

for pneumonia, community-acquired, 501

for scrub typhus prophylaxis, 624

Dracunculus medinensis infection, epidemiology of (letter and reply), 656

Drug(s)

donations to developing countries (letter), 847

interactions

itraconazole-digoxin (letter), 259

rifampin-itraconazole (letter), 266

infections in, due to Corynebacterium diphtheriae, 94

intravenous, adenosine deaminase levels in (letter), 478

Drug fever, due to cimetidine (letter), 468

Drug resistance

in Actinobacillus actinomycetemcomitans, 450

in Actinomyces israelii, 450

to acyclovir, 570

in anaerobic bacteria, S297

to antiretroviral agents, 149

in Bacteroides, \$297

in Candida albicans, 240

in Candida rugosa, 77

to cefotaxime, 766

to clindamycin, 450

in Clostridium, S297 to fluconazole, 240

to 5-fluorocytosine (letter), 480

to foscarnet, 570

in HIV, 149, 516

in meningococci, 161

to methicillin (letter), 469

in Mycobacterium kansasii, 736

in Mycobacterium szulgai (letter), 1022

in Neisseria meningitidis, 161

to nystatin, 77

to penicillin, 188

in Prevotella, S297

in respiratory pathogens, 946

in Staphylococcus aureus (letter), 469

in Streptococcus pneumoniae, 766

in tuberculosis, 755

E5 monoclonal antibody, for septic shock, S205

Eastern equine encephalitis, brain imaging in, 985

Ehrlichia chaffeensis, detection, 958

Emboli, pulmonary, in mastoiditis, 633

Empyema

due to Aeromonas hydrophila (letter), 474

due to anaerobic bacteria, treatment, \$273

due to Pasteurella multocida, in cirrhosis (letter), 486

Encephalitis

Eastern equine, brain imaging in, 985

due to herpes simplex virus, viral detection in, 744

due to Toxoplasma gondii, prophylaxis (letter), 479

Encephalomyelitis, myalgic (see Chronic fatigue syndrome)

Endocarditis

due to Actinobacillus actinomycetemcomitans (letter), 115

due to Campylobacter fetus, 443

due to Clostridium bifermentans (letter), 837

due to Haemophilus influenzae (letter). 648

due to Neisseria sicca (letter), 660

due to Pasteurella dagmatis, 336

prophylaxis, 157

due to Rothia dentocariosa, abdominal aneurysm with (letter), 489

Endophthalmitis

due to Blastomyces dermatitidis, 805

due to Escherichia coli, in diabetes mellitus (letter), 117

due to Fusarium solani, 585

postoperative, due to Stomatococcus mucilaginosus (letter), 492

Endotoxin

anaerobic bacteria, \$253, \$260

granulocyte colony-stimulating factor effects on, S197

in septic shock, S205

Enteritis, pseudomembranous, due to Clostridium difficile, 982

Enterobacter cloacae, nosocomial infections, cross-contamination, 929

Enterococcal infections

meningitis, case reviews, 233

nosocomial, cross-contamination, 929

Enterocytozoon bieneusi infection, in HIV infection, 819

Enteroviruses, not associated with chronic fatigue syndrome, S126, S130

Enzyme-linked immunosorbent assay, for Taenia solium, 879

Eosinophilia, in disseminated coccidioidomycosis, 627

Epidemic neuromyasthenia (see Chronic fatigue syndrome)

Epidemiology

Candida parapsilosis carriage (letter), 480

chronic fatigue syndrome (see under Chronic fatigue syndrome)

Clostridium difficile infections, in tertiary care hospital, 181

cryptococcosis, 369

Cryptosporidium parvum antibodies, 731

Dracunculus medinensis infection (letter and reply), 656

food-borne infections, 671

genitourinary tuberculosis, in Spain, 557

giardiasis, 760, 764

hepatitis E, in Somalia, 100

Lyme disease

in British Columbia (letter and reply), 844

in Spain (letter and reply), 493, 494

Mycobacterium avium complex infections, in HIV infection, S218

Mycobacterium malmoense infections, in Sweden, 596

parainfluenza virus, in pediatric patients, 770

polymerase chain reaction-mediated genotyping in (letter and reply), 1017, 1018

respiratory infections, in Kenya, 639

salmonellosis, in HIV infection, 358

shigellosis, 760, 764

Taenia solium infection, in Mexico, 879

toxoplasmosis, in pregnancy, 853

tuberculosis, in Somalia, 106

tuberculosis drug resistance, 755

Epidural analgesia, Staphylococcus aureus meningitis after (letter), 844

Epstein-Barr virus infection

chronic fatigue syndrome and, S117, S130

after heart transplantation, 141

retrobulbar neuritis in, 799

Erythema migrans, due to Borrelia burgdorferi, 166

Erythromycin

for anaerobic infections, \$273

cardiac arrhythmias from, 995

for Mycobacterium avium complex infections, \$233

for pneumonia, community-acquired, 501

resistance to, \$297, 946

Escherichia coli infections

in cirrhosis, treatment, 324

endophthalmitis, in diabetes mellitus (letter), 117

food-borne, 671

nosocomial, cross-contamination, 929

pyelonephritis

in diabetes mellitus (letter), 117

pathogenesis (letter and reply), 1014, 1015

urinary tract, virulence characteristics, 579

Ethambutol, for Mycobacterium avium complex infections, S233

in HIV infection, S237

Ethical issues, in HIV infection, 963

Exercise, in chronic fatigue syndrome, cytokine production in, S142

Eye (see also Endophthalmitis)

Acanthamoeba castellanii infection (letter), 661

blastomycosis manifestations in, 805

chronic fatigue syndrome manifestations in, S87

toxoplasmosis manifestations in, 38

Factor XII, in septic shock, S205

Facultative bacterial infections, treatment, S305

Fatigue

chronic (see Chronic fatigue syndrome)

in Lyme disease, S24

in sick building syndrome, S43

Fatty acids

long-chain, transport, in chronic fatigue syndrome, S62

short-chain, from anaerobic bacteria, \$260

Feline leukemia virus, not associated with chronic fatigue syndrome,

Fetus

oral polio vaccine effects on, 414

toxoplasmosis transmission to, 853

Fever

in chemotherapy, treatment with colony-stimulating factors, S189

due to cimetidine (letter). 468

C-reactive protein measurement in, 589

in Q fever, immunologic aspects (letter), 122

of unknown origin

gallium-67 scintigraphy in, 601

malacoplakia in, 704

Fibromyalgia syndrome, juvenile, vs. chronic fatigue syndrome, S21

Flavimonas or vzihabitans infections, soft-tissue, 808

Fluconazole

for candidiasis, gastrointestinal, 298

for coccidioidomycosis (letter), 470

for corneal abscess (letter), 482

for group IVc-2 bacterial infection (letter), 482

for heart transplantation, 141

for osteomyelitis, due to Candida albicans (letter), 126

for peritonitis, due to Candida famata, failure (letter), 658

for pneumonia, due to Aspergillus fumigatus (letter and reply), 484,

resistance to, 240

for Torulopsis glabrata infection (letter), 116

5-Fluorocytosine, resistance to (letter), 480

Folinic acid, for toxoplasmosis, 38

Food-borne infections

in HIV infection, 14

in the intection, is

state-of-the-art, 671 due to Vibrio hollisae, 310

Foot infections

due to anaerobic bacteria, treatment, \$273

in diabetes mellitus, treatment, 683

Foscarne

for cytomegalovirus infection (letter and reply), 1019, 1020

for HIV infection, 516

resistance to, 570

for viral hepatitis, in HIV infection, 339

Fungal infections (see also specific organism)

in bone marrow transplantation, 273

hepatosplenic, in leukemia, 979

risk factors for, in cancer, 525, 793

urinary tract, treatment with amphotericin B, 313

Fungemia

due to Candida rugosa, 77

in pregnancy, treatment with amphotericin B, 364

due to Torulopsis glabrata, treatment with fluconazole (letter), 116

Fungus balls, due to Candida tropicalis, kidney failure from, 440

Fusarium oxysporum infection, treatment with granulocyte colony-

stimulating factor (letter), 490

Fusarium solani endophthalmitis, case report, 585

Gabon, Schistosoma intercalatum infection in, salmonellal septicemia in, 103

Gallium-67 scintigraphy, in fever of unknown-origin, 601

Ganciclovir, for viral hepatitis, in HIV infection, 339

Gangrene

appendix. Bilophila wadsworthia bacteremia in (letter), 1023

clostridial, S280

pulmonary, due to Mycobacterium tuberculosis, 243

Gardnerella vaginalis bacteremia, case reviews (letter), 125

Gas-forming infections, soft-tissue, \$280

Gastrointestinal infections (see also Diarrhea)

due to Candida, in cancer, treatment with fluconazole, 298

tuberculosis, in HIV infection (letter), 650

due to Vibrio hollisae, 310

Gastrointestinal system, selective decontamination, in cirrhosis, 324

Genetic factors, in drug resistance in anaerobic bacteria, \$297

Genitourinary tract infections (see also Urinary tract infections)

tuberculosis, epidemiology, in Spain, 557

Genotyping, for epidemiology, polymerase chain reaction in (letter and reply), 1017, 1018

Gentamicin

for anaerobic infections, \$305

for brain stem abscess, 219

for Mycobacterium avium complex infections, in HIV infection, S237

Giardiasis

epidemiology, 760, 764

in HIV infection, 14

Gibbon ape leukemia virus, not associated with chronic fatigue syndrome, S121

Gingivostomatitis, due to herpes simplex virus infection, in bone marrow transplantation, 273

Graft-versus-host disease, fungal infection prophylaxis in, 525, 793

Gram-negative anaerobes, virulence factors, \$260

Gram-negative meningitis, in transsphenoidal surgery, 553

Granulocyte colony-stimulating factor

adverse effects, \$189

for infections, \$180

due to Fusarium oxysporum (letter), 490

in nonneutropenic host, S197

for neutropenia in chemotherapy, \$189

Granulocyte-macrophage colony-stimulating factor

for infections, \$180

production in chronic fatigue syndrome, \$147

Granulocytic meningitis, due to intravenous immunoglobulin therapy (letter), 1008

Granulocytopenia, in hematologic disorders, fungal infection prophylaxis in, 525, 793

Group IVc-2 bacterial infection, case report (letter), 482

Guinea worm infection, epidemiology (letter and reply), 656

HA-1A monoclonal antibody, for septic shock, S205

Haemophilus influenzae

drug resistance in, 946

pericarditis (letter), 648

Hand infection, due to Staphylococcus aureus (letter), 469

Head and neck infections, deep, in mastoiditis, 633

Headache, in sick building syndrome, S43

Health care workers

measles immunity among, quality standards for, 431

needlestick injury incidence in, universal precautions and, 562

Heart transplantation, infections in, 141

Hematologic disorders, fungal infections in, risk factors for, 525, 793

Hemochromatosis, Yersinia enterocolitica liver abscess with, 938

Hemodialysis, Tsukamurella paurometabolum bacteremia in (letter), 830

Hemolysis, in temafloxacin syndrome, 946

Hemophilia, cryoglobulinemia in (letter), 832

Hemorrhage, due to dengue infection, 248

Hemorrhagic fever, simian, vs. chronic fatigue syndrome, S9

Hemorrhagic shock, *Pasteurella multocida* septicemia in (letter), 842 Hepatitis

cholestatic, from clarithromycin therapy (letter), 1025

viral

cytokine levels in, 194

in HIV infection, viral interactions in, 339

Henatitis F

in HIV infection, viral interactions in, 339

transmission, in tattooing, 610

Henatitis (

cryoglobulinemia in (letter), 832

vertical transmission (letter), 1027

Hepatitis E, epidemiology, in Somalia, 100

Hepatomegaly, due to *Toxoplasma gondii*, 38 Herpes simplex virus infections

in bone marrow transplantation, 273

encephalitis, viral detection in, 744

mucocutaneous, treatment with HPMPC, 570

viremia, in pediatric patients, 401

Herpes zoster, in HIV infection, myelopathy in, 810

Hiccups, in toxoplasmosis (letter), 835

Histoplasmosis, treatment, drug interactions in (letter), 266

Historical review

clinical thermometry, 458

Wunderlich, Carl Reinhold August, 458

HIV infection (see Human immunodeficiency virus infection)

Host defenses

anaerobic bacteria resistance to, S253

bacterial adhesins and (letter and reply), 472, 473

defects, in bone marrow transplantation, 273

in urinary tract infections, 1

Escherichia coli and, 579

HPMPC ([S]-1-[3-hydroxy-2-phosphonylmethoxypropyl]cytosine), for herpes simplex infection, 570

Human herpesvirus 6

levels in chronic fatigue syndrome, \$130

levels in chronic fatigue syndrome,  $poly(I) \cdot poly(C_{12}U)$  effects on,

treatment, in vitro, S113

Human herpesvirus 7, levels in chronic fatigue syndrome, \$130

Human immunodeficiency virus infection

adenovirus infection in, renal, 989

animal-associated infections in, 14

antiretroviral drug resistance in, 149

bacteremia in

due to Corynebacterium striatum (letter), 1007

due to Pseudomonas aeruginosa, 886

bronchiolitis obliterans organizing pneumonia in, 921

candidiasis in, fluconazole resistance in, 240

cryoglobulinemia in (letter), 832

cryptococcosis in

diagnosis (letter), 119

epidemiology, 369

meningitis, antigen measurement in, 789

cryptosporidiosis in, treatment with paromomycin, 447

Cyclospora infection in, 606, 620

cystitis in, due to Toxoplasma gondii, 453

cytomegalovirus infection in, treatment with foscarnet (letter and reply), 1019, 1020

dapsone therapy in, adverse effects, 630

in drug abuse, adenosine deaminase levels in (letter), 478

fungal infect.ons in (letter), 262

Legionnaires' disease in, 227

liver abscess in, due to Staphylococcus aureus, 802

measles immunity in, 636

meningitis in, due to Cryptococcus neoformans, 789

microsporidiosis in, clinical features, 819

Mycobacterium avium complex infection in (see under Mycobacterium avium complex infections)

Mycobacterium genavense infection in, 455

Mycobacterium haemophilum infection in, treatment (letter), 475

Mycobacterium kansasii infection in, 261 (letter), 395

Mycobacterium szulgai infection in (letter), 1022

Mycobacterium ulcerans infection in (letter), 839

neurosyphilis in, diagnosis, 288, 295

neutropenia in, treatment with colony-stimulating factors, S180

nocardiosis in, 256, 348, 1010

osteitis cystica tuberculosa multiplex in (letter), 260

osteitis in, syphilitic, 250

p24 antigen detection in (letter), 1021

Penicillium marneffei infection in, 246

peritonitis in

due to Nocardia asteroides (letter), 1010

due to Yersinia enterocolitica (letter), 655

Pneumocystis carinii pneumonia in

prophylaxis, 477 (letter), 901

protozoan infections with (letter), 113

treatment, 319, 905

with tuberculosis (letter), 470

position paper on, 963

progressive multifocal leukoencephalopathy in (letter), 826

prophylaxis, universal precautions and, 562

recalcitrant erythematous desquamating disorder in, cytokine activation in, 942

salmonellosis in, 358

septic arthritis in, due to Nocardia asteroides (letter), 256

Streptococcus bovis infection in, with strongyliasis, 253

toxoplasmosis in

cystitis in, 453

hiccups in (letter), 835

prophylaxis (letter), 479

transmission, 963

in tattooing, 610

treatment

drug combinations in, 516

with pentoxifylline, 285

tuberculosis in, gastrointestinal (letter), 650

varicella-zoster virus infection in, myelopathy in, 810

viral hepatitis in, viral interactions in, 339

wasting in, treatment with pentoxifylline, 97

Human leukocyte antigens, in chronic fatigue syndrome, \$154

Human papillomavirus infection, cervical, natural history, 172

Human T-lymphocytic viruses, not associated with chronic fatigue syndrome, S121

Hydrocephalus, due to Toxoplasma gondii, 38

Hydrolytic enzymes, anaerobic bacteria, \$253

(S)-1-(3-Hydroxy-2-phosphonylmethoxypropyl)cytosine (HPMPC), for herpes simplex infection, 570

5-Hydroxytryptamine inhibition, in chronic fatigue syndrome treatment, S111

Hypersomnia, in chronic fatigue syndrome, S68

Iceland disease (see Chronic fatigue syndrome)

Illness burden, in chronic fatigue syndrome, S73

Imipenem

for anaerobic infections, S305

for foot infections, in diabetes mellitus, 683

Immunity

abnormalities, in chronic fatigue syndrome (see Chronic fatigue syndrome, immunologic abnormalities in)

to measle

among health care workers, quality standards for, 431

in HIV infection, 636

Immunization, poliovirus

in bone marrow transplantation, 547

in pregnancy, outcome, 414

Immunodeficiency (see also Human immunodeficiency virus infection;

Neutropenia; Transplantation)

agrobacterium infections in, 914 bacteremia in

due to Brevibacterium (letter), 487

due to Pseudomonas aeruginosa, 390

in cancer

catheter-induced infections in, 194

gastrointestinal candidiasis in, treatment with fluconazole, 298

chickenpox relapse in, 785

in chronic fatigue syndrome, S49

in hematologic disorders, fungal infection prophylaxis in, 525, 793

herpes simplex viremia in, 401

meningitis in, 780

Mycobacterium neoaurum infections in, 1002

Mycoplasma arginini infections in, 488

Ochrobactrum anthropi infections in, 914

pneumonia in, due to Corynebacterium xerosis (letter), 845

Immunoelectrotransfer blot assay, for Taenia solium, 879

**Immunoglobulins** 

detection, in toxoplasmosis, 853

intravenous therapy with, aseptic granulocytic meningitis in (letter),

Immunologic reaction, in Q fever (letter), 122

Immunologic therapy, in chronic fatigue syndrome, S112

Immunosuppressive therapy

cryptococcosis in, epidemiology, 369

after heart transplantation, infections from, 141

Incision infections, due to anaerobic bacteria, \$280

Infants

Candida parapsilosis carriage in (letter), 480

newborn (see Neonatal infections)

Infective endocarditis (see Endocarditis)

Intensive care units, nosocomial infections in, bacterial cross-contamination in, 929

Interactions, drug (see Drug(s), interactions)

Interferon-alpha

for HIV infection, 516

production, in chronic fatigue syndrome, in exercise, S142

for viral hepatitis, in HIV infection, 339

Interferon-gamma

for leishmaniasis, 381

production, in chronic fatigue syndrome, in exercise, \$142

Interleukin(s)

in acute viral hepatitis, 194

in chronic fatigue syndrome, \$147

in exercise, \$142

in hepatic cirrhosis (letter and reply), 1015, 1016

in recalcitrant erythematous desquamating disorder, 942

in septic shock, S205

Interleukin receptor antagonist, for septic shock, S205

Intraabdominal infections, due to anaerobic bacteria, S280

treatment, S305

Intravenous therapy, catheter-induced infections in, 719

Iron overload, Yersinia enterocolitica liver abscess with, 938

Irrigation, bladder, with amphotericin B, for urinary tract infections, 313

Itraconazole

for coccidioidomycosis (letter), 470

interaction with digoxin (letter), 259

interaction with rifampin (letter), 266

Ivermectin, for Baylisascaris procyonis meningoencephalitis, 868

Jarisch-Herxheimer reaction, in leptospirosis, 1004

Jaundice, due to Toxoplasma gondii, 38

Joint infections (see Septic arthritis)

Juvenile fibromyalgia syndrome, vs. chronic fatigue syndrome, S21

Kansas City, Missouri, Mycobacterium kansasii infection in, with HIV infection, 395

Kenya, respiratory infections in, epidemiology, 639

Keratitis, due to Acanthamoeba castellanii (letter), 661

Ketoconazole

for leishmaniasis, 813

for Scytalidium dimidatum infection (letter), 127

Kidney

abscess

due to group B Streptococcus (letter), 662

due to Torulopsis glabrata, treatment with fluconazole (letter), 116

adenovirus infection, in HIV infection, 989

dysfunction, in temafloxacin syndrome, 946

failure, due to Candida tropicalis fungus balls, 440

malacoplakia, fever of unknown origin in, 704

transplantation, Legionella cincinnatiensis infection in, 385

Klebsiella pneumoniae infections

nosocomial, cross-contamination, 929

treatment with granulocyte colony-stimulating factor, S197

Kutapressin, for chronic fatigue syndrome, S113, S114

Kyasanur Forest disease, vs. chronic fatigue syndrome, S9

L697,661, for HIV infection, 516

Lactobacillus bacteremia, in liver transplantation, 207

Laryngotracheitis, bacterial, toxic shock syndrome in, 437

Latex agglutination test, for cryptococcosis, in HIV infection (letter),

119

Left ventricular-assist devices, infections due to, 141

Legionella, drug resistance in, 946

Legionella cincinnatiensis pneumonia, in renal transplantation, 385

Legionella gormanii pneumonia community-acquired (letter), 265

Legionella micdadei pneumonia, community-acquired, 501

Legionella pneumophila pneumonia, community-acquired, 501

Legionnaires' disease

in HIV infection, 227

myocarditis in (letter), 120

Leishmania mexicana mexicana infection, treatment with allopurinol,

Leishmaniasis, treatment

with allopurinol, 813

with amphotericin B (letter), 1024

with antimonial agents, pancreatitis due to, 83

with meglumine antimoniate, 381

Lemierre's syndrome, in mastoiditis, 633

Leptospirosis, Jarisch-Herxheimer reaction in, 1004

Leucovorin, for toxoplasmosis, 38

Leukemia, infections in

due to Corynebacterium xerosis (letter), 845

due to Cunninghamella bertholletiae, 925

fungal, 525, 979

hepatosplenic, 979

due to Pseudomonas aeruginosa, 390

risk factors for, 525

Leukocytosis, due to cimetidine (letter), 468

Leukoencephalopathy, progressive multifocal, in HIV infection (letter), 826

Lincosamide, resistance to, S297

Lipopolysaccharide (see Endotoxin)

Listeria monocytogenes liver abscess, case report (letter), 841

Liver

abscess

due to Actinomyces meveri (letter), 491

due to Listeria monocytogenes (letter), 841

due to Staphylococcus aureus, in HIV infection, 802

due to Yersinia enterocolitica, 938

candidiasis, in leukemia, 979

cirrhosis

cytokine levels in (letter and reply), 1015, 1016

infections in, treatment, 324

Nocardia asteroides peritonitis in (letter), 1010

Pasteurella multocida infection in (letter), 486

dysfunction, in temafloxacin syndrome, 946 transplantation

Clostridium difficile infection risk in, 181

lactobacillemia in, 207

veno-occlusive disease of, in bone marrow transplantation, 273

Lung

coccidioidomycosis, diabetic ketoacidosis with, 974

cryptococcosis, in HIV infection (letter), 119

emboli in, in mastoiditis, 633

gangrene, due to Mycobacterium tuberculosis, 243

transplantation, bronchial aspergillosis after (letter), 123

Lupus anticoagulant, in Q fever, 213

Lyme disease

dermatomyositis with, 166

epidemiology

in British Columbia (letter and reply), 844

in Spain (letter and reply), 493, 494

"possible," treatment cost-effectiveness, 112

vs. chronic fatigue syndrome, \$24

Lymph nodes, Mycobacterium malmoense isolation from, 596

Lymphadenitis, nodular, due to Nocardia brasiliensis (letter), 843

Lymphocutaneous infection, due to Nocardia brasiliensis, from cat scratch (letter), 649

Lymphocytic meningitis, due to Capnocytophaga canimorsus (letter), 654

Lymphocytopenia, CD4

in cytomegalovirus retinitis (letter), 1012

in parvovirus infection (letter), 651

Lymphoma

chickenpox relapse in, 785

in chronic fatigue syndrome, \$49

Lymphoproliferative disorders, after heart transplantation, 141

Macrolides, resistance to, \$297

Magnetic resonance imaging, in Eastern equine encephalitis, 985

Malacoplakia, renal, fever of unknown origin in, 704

Malaria prophylaxis, mefloquine in, aplastic anemia from (letter), 263

Mastoiditis, Lemierre's syndrome in, 633

Measles, immunity to

among health care workers, quality standards for, 431

in HIV infection, 636

Mediastinitis

after heart transplantation, 141

due to Salmonella, non-typhi (letter), 255

Mefloquine, for malaria prophylaxis, aplastic anemia from (letter), 263

Meglumine antimoniate, for leishmaniasis, 381

pancreatitis due to, 83

Meningitis

due to Acinetobacter, in complement deficiency, 780

aseptic granulocytic, due to intravenous immunoglobulin therapy (letter), 1008

due to Blastomycosis dermatitidis, pleocytosis in, 816

due to Capnocytophaga canimorsus (letter), 654

in complement deficiency, 780

due to Cryptococcus neoformans, antigen measurement in, 789

due to Enterococci. 233

due to gram-negative organisms, in transsphenoidal surgery, 553

due to group A streptococci, toxic shock-like syndrome in, 91

due to meningococci

chronic (letter), 829

in complement deficiency, 780

due to Moraxella nonliquefaciens, in complement deficiency, 780

due to Neisseria, in complement deficiency, 780

due to Staphylococcus aureus, after epidural analgesia (letter), 844

due to Streptococcus bovis, with strongyliasis, 253

due to Streptococcus pneumoniae, treatment, 188, 766

due to Streptococcus salivarius

after spinal anesthesia (letter), 840

from spinal tap (letter), 1022

Meningococci

drug resistance in, 161

meningitis, chronic (letter), 829

pronunciation of (letter), 258

Meningoencephalitis

due to Baylisascaris procyonis, 868

due to Cryptococcus, epidemiology, 369

Mental status, in chronic fatigue syndrome, S73, S86

Mesenteric artery aneurysm, Rothia dentocariosa infection and (letter),

Metastasis, septic, from salmonella bacteremia, 873

Metronidazole

for colitis, due to Clostridium difficile, \$265

resistance to, S297

Mexico, Taenia solium infection in, 879

Microcephalus, due to Toxoplasma gondii, 38

Microorganisms, neutrophil response to, molecular events in, S170

Microsporidiosis, in HIV infection

due to animals, 14

clinical features, 819

Minnesota, food-borne infections in, 671

Minocycline

for Nocardia asteroides septic arthritis (letter), 256

for nocardiosis, in HIV infection, 348

Mitochondria, carnitine metabolism in, in chronic fatigue syndrome, S62

Monocyte(s), function, in microbial killing, S180

Monocyte colony-stimulating factor, for infections, \$180

Moraxella catarrhalis, drug resistance in, 946

Moraxella nonliquefaciens meningitis, in complement deficiency, 780

in Cunninghamella bertholletiae infections, 925

in Pseudomonas aeruginosa infections

in HIV infection, 886

in immunodeficiency, 390

Mucocutaneous infections, due to herpes simplex virus, treatment with HPMPC, 570

Mucormycosis, rhinocerebral, treatment with amphotericin B (letter and reply), 653, 654

Mu!tiple sclerosis, vs. chronic fatigue syndrome, psychological aspects,

Muscle, acylcarnitine deficiency in, in chronic fatigue syndrome, S62 Myalgic encephalomyelitis (see Chronic fatigue syndrome)

Mycobacterium avium complex infections

culture in, S227

in HIV infection

due to animals, 14

diagnosis, S227

epidemiology, S218

natural history, S218

prophylaxis, S223

pyomyositis (letter), 833

susceptibility testing, S227, S233

treatment, S233, S237, 128 (letter and reply)

Mycobacterium bovis osteomyelitis, due to bacille Calmette-Guérin therapy (letter), 1013

Mycobacterium chelonae, taxonomy (letter), 121

Mycobacterium chelonae infections

cutaneous, treatment, 999

pulmonary, treatment with clarithromycin (letter), 1025

Mycobacterium fortuitum, taxonomy (letter), 121

Mycobacterium genavense infections, in HIV infection, 455

Mycobacterium haemophilum infections, in HIV infection, treatment (letter), 475

Mycobacterium kansasii infections

in HIV infection, 261 (letter), 395

rifampin-resistant, 736

Mycobacterium malmoense infections, epidemiology, in Sweden, 596

Mycobacterium marinum infections

in HIV infection, due to animals, 14

treatment with clarithromycin (letter), 664

Mycobacterium neoaurum infections, catheter-induced, 1002

Mycobacterium szulgai infections, in HIV infection (letter), 1022

Mycobacterium tuberculosis infection (see Tuberculosis)

Mycobacterium ulcerans infections, in HIV infection (letter), 839

Mycoplasma arginini infections, in immunodeficiency (letter), 488

Mycoplasma hominis septic arthritis, animal studies, 694

Mycoplasma pneumoniae

pneumonia, 501

septic arthritis, animal studies, 694

Myelopathy, in varicella-zoster virus infection, in HIV infection, 810

Myocarditis, due to Legionella pneumophila (letter), 120

Myonecrosis, clostridial, S280

Myositis, due to Borrelia burgdorferi, 166

Myxoma, atrial, infection (letter), 657

Nafcillin, for brain stem abscess, 219

Natural killer cells, dysfunction, in chronic fatigue syndrome, S117, S136, S157

Necrotizing pneumonia, due to mixed anaerobic and aerobic bacteria, 450

Needlestick injury

in health care workers, universal precautions and, 562

in tattooing, disease transmission in, 610

Neisseria meningitidis

drug resistance in, 161

meningitis, chronic (letter), 829

Neisseria sicca endocarditis, case report (letter), 660

Neonatal infections

dengue, 248

hepatitis C (letter), 1027

Neopterin, production in chronic fatigue syndrome, S147

Nephrotoxicity, vancomycin, monitoring, 533, 544

Neuritis, retrobulbar, due to Epstein-Barr virus, 799

Neurocysticercosis, due to Taenia solium, epidemiology, 879

Neurologic disorders

in chronic fatigue syndrome, S32

in sick building syndrome, \$43

Neuromyasthenia, epidemic (see Chronic fatigue syndrome)

Neurosyphilis

HIV infection in, diagnosis, 288, 295

vs. retrobulbar neuritis in Epstein-Barr virus infection, 799

Neutropenia

bacteremia in, due to viridans Streptococcus, 25

candidiasis in

gastrointestinal, treatment with fluconazole, 298

in leukemia therapy, 979

in chemotherapy, treatment with colony-stimulating factors, \$189

Cunninghamella bertholletiae infections in, 925

fever in, C-reactive protein measurement in, 589

Fusarium oxysporum infection in, treatment with granulocyte colonystimulating factor (letter), 490

infections in, treatment with colony-stimulating factors, \$180, \$189 pneumonia in, due to *Aspergillus fumigatus*, treatment (letter and reply), 484, 485

from toxoplasmosis therapy, 38

Neutrophils, function

granulocyte-stimulating factor effects on, S197

in microbial killing, S170, S180

in septic shock, S205

Nevirapine

for HIV infection, 516

resistance to, 149

New York City

HIV epidemiology in, salmonellosis and, 358

tuberculosis susceptibility in, 755

Newborns, infections in (see Neonatal infections)

Nitric oxide, in septic shock, S205

Nitroimidazoles, resistance to, \$297

Nocardia, taxonomy (letter and reply), 476, 477

Nocardia asteroides

peritonitis, in HIV infection (letter), 1010

septic arthritis, in HIV infection (letter), 256

Nocardia brasiliensis infections

lymphocutaneous, from cat scratch (letter), 649

nodular lymphadenitis (letter), 843

Nocardiosis, in HIV infection, 348

Nonnucleoside reverse transcriptase inhibitors, resistance to, 149

Nosocomial infections (see also Catheter-induced infections)

due to Acinetobacter, 896

due to Clostridium difficile, in tertiary care hospital, 181

in intensive care units, bacterial cross-contamination in, 929

Nucleic acid probes, in anaerobic bacteria identification, S250, S287

Nurses, chronic fatigue syndrome in, S54

Nystatin

for heart transplantation, 141

resistance to, 77

Occupational infections

sick building syndrome, S43

universal precautions and, 562

Ochrobactrum anthropi infections, catheter-induced, 914

Ocular manifestations (see Eye)

2',5'-Oligoadenylate synthetase levels, in chronic fatigue syndrome therapy, S96

Operation Restore Hope, Somalia, hepatitis E epidemiology in, 100

Opportunistic infections (see also specific infections, e.g., Pneumocystis carinii pneumonia)

due to animals, 14

in bone marrow transplantation, 273

combinations of (letter), 113

Oral cavity, Candida parapsilosis carriage in (letter), 480

Oral surgery, endocarditis prophylaxis for, 157

Oropharyngeal candidiasis

in cancer, treatment with fluconazole, 298

in HIV infection, fluconazole resistance in, 240

Osteitis, due to syphilis, with HIV infection, 250

Osteitis cystica tuberculosa multiplex, in HIV infection (letter), 260 Osteomyelitis

due to bacille Calmette-Guérin therapy (letter), 1013

due to Bacillus cereus, 863

due to Candida albicans, treatment (letter), 126, 259

due to Mycobacterium kansasii, in HIV infection (letter), 261

due to Mycobacterium tuberculosis, in HIV infection (letter), 260 vertebral

due to Pasteurella dagmatis, 336

due to Staphylococcus aureus, 992

Ototoxicity, vancomycin, monitoring, 533, 544

Outer membrane proteins, anaerobic bacteria, \$260 Oxygen metabolism, in neutrophil function, \$170

p24 antigen

cryoglobulinemia and (letter), 832

detection (letter), 1021

Pancreatitis, due to antimonial agents, 83

Papillomavirus, transmission in tattooing, 610

Parainfluenza virus, epidemiology, in pediatric patients, 770

Paramomycin, for cryptosporidial diarrhea, 447

Parasites, classification (letter and reply), 656

Parvovirus infection, pure red cell aplasia in (letter), 651

Pasteurella dagmatis endocarditis, case report, 336

Pasteurella multocida infections

in cirrhosis (letter), 486

after hemorrhagic shock (letter), 842

Pediatric infections (see also Neonatal infections)

bacteremia, due to Pseudomonas aeruginosa, 390

due to Baylisascaris procyonis, 868

brain abscess, 750

due to Cryptosporidium parvum, 731

fever in, C-reactive protein measurement in, 589

due to Fusarium oxysporum, treatment with granulocyte colony-stimulating factor (letter), 490

herpes simplex viremia, 401

osteomyelitis, due to Bacillus cereus, 863

parainfluenza virus, epidemiology, 770

respiratory, in Kenya, 639

due to Schistosoma haematobium, treatment, circulating antigen measurement in, 408

septicemia, due to Salmonella, with Schistosoma intercalatum infection, 103

sinusitis complications, 750

toxoplasmosis, treatment outcome, 38

tuberculosis, in Somalia, 106

Pediatric patients, chronic fatigue syndrome in, S21

Penicillin(s)

for anaerobic infections, \$273

for bacteremia, due to Viridans streptococci, 25

for brain stem abscess, 219

for clostridial infections, \$280

for leptospirosis, Jarish-Herxheimer reaction in, 1004

for pneumonia, community-acquired, 501

resistance to, 161, 946

in pneumococcal meningitis, 188

Penicillin G, for osteitis, due to syphilis, 126

Penicillium marneffei infections, in HIV infection, 246

Pentamidine, for *Pneumocystis carinii* pneumonia prophylaxis (letter), 257, 901, 477

Pentoxifylline

for AIDS-related wasting, 97

for HIV infection, 285

Peptostreptococcal infections, breast, 73

Pericarditis

due to Citrobacter diversus (letter), 838

due to Haemophilus influenzae (letter), 648

Periodontal infections, bacterial identification in, S287

Peritoneal dialysis, *Candida famata* peritonitis in (letter), 658 Peritonitis

due to Aeromonas, 32

due to Agrobacterium, 914

due to anaerobic bacteria, \$280

due to Candida famata, treatment failure (letter), 658

due to Nocardia asteroides, in HIV infection (letter), 1010

due to Ochrobactrum anthropi, 914

due to Pasteurella multocida, in cirrhosis (letter), 486

spontaneous bacterial, in cirrhosis, treatment, 324

due to Yersinia enterocolitica (letter), 655

Pesticides, in chronic fatigue syndrome pathogenesis, \$54

Pets (see also Cat(s))

opportunistic infections from, 14

Phagocytosis, molecular events in, \$170

Phospholipids, antibodies to, in Q fever, 213

Pili, anaerobic bacteria, \$260

Piperacillin, for anaerobic infections, S305

Plaque, dental, anaerobic bacteria in, \$287

Platelet-activating factor, in septic shock, S205

Pleocytosis, in Blastomycosis dermatitidis meningitis, 816

Pleuropulmonary infections, due to anaerobic bacteria, treatment, S273

Pneumococcal meningitis, penicillin-resistant, 188

Pneumocystis carinii pneumonia

in bone marrow transplantation, 273

in HIV infection

prophylaxis, 901

protozoan infections with (letter), 113

treatment, 905

with tuberculosis (letter), 470

prophylaxis, 901

dapsone in, adverse effects, 630

pentamidine in (letter), 257, 477

treatment with trimethoprim-sulfamethoxazole, corticosteroids with,

Pneumomediastinum, spontaneous, in rabies (letter), 663

Pneumonia

due to Actinobacillus actinomycetemcomitans and Actinomyces israelii,

due to Aspergillus fumigatus, treatment (letter and reply), 484, 485

in bone marrow transplantation, 273

bronchiolitis obliterans organizing, in HIV infection, 921

community-acquired, state-of-the-art, 501

due to Corynebacterium xerosis, in leukemia (letter), 845

due to Cryptococcus, epidemiology, 369

due to cytomegalovirus, in bone marrow transplantation, 273

diffuse interstitial, in bone marrow transplantation, 273

in heart transplantation, 141

due to Legionella cincinnatiensis, in renal transplantation, 385

due to Legionella gormanii (letter), 265

due to Legionella pneumophila, in HIV infection, 227

due to Mycobacterium kansasii, in HIV infection (letter), 261

due to Mycoplasma arginini (letter), 488

necrotizing, due to mixed anaerobic and aerobic bacteria, 450

due to Pneumocystis carinii (see Pneumocystis carinii pneumonia)

Poliomyelitis

atypical (see Chronic fatigue syndrome)

immunity to, in bone marrow transplantation, 547

vaccination for, in pregnancy, outcome, 414

Polymerase chain reaction

in anaerobic bacteria identification, S250, S287

in genotyping, for epidemiology (letter and reply), 1017, 1018 in herpes simplex virus detection, 744

Polymicrobial infections, anaerobic bacteria in, S280 treatment, S305

 $Poly(1) \cdot poly(C_{12}U)$ 

for chronic fatigue syndrome, S88, S96

for human herpesvirus 6 infection, S113

Polyradiculopathy, due to cytomegalovirus (letter and reply), 1019,

Polysomnography, in chronic fatigue syndrome, S68

Porphyromonas, virulence factors, \$260

Praziquantel, for Schistosoma haematobium infection, 354, 408

Prednisolone, for fever of immunologic origin (letter), 122

Pregnancy

amphotericin B in, 364

polio vaccination during, outcome, 414 toxoplasmosis in, state-of-the-art, 853

Prevotella

drug resistance in, \$297 virulence factors, \$260

Primaquine, for *Pneumocystis carinii* pneumonia, in HIV infection, 905 Progressive multifocal leukoencephalopathy, in HIV infection (letter), 826

Prophylaxis

endocarditis, 157

fungal infections, in hematologic disorders, 525, 793

HIV infection, universal precautions and, 562 Legionnaires' disease, in HIV infection, 227

malaria, aplastic anemia from (letter), 263

Mycobacterium avium complex infection, in HIV infection, S223

Pneumocystis carinii pneumonia, 257 (letter), 477 (letter)

dapsone in, adverse effects, 630

in HIV infection, 901

trimethoprim-sulfamethoxazole cutaneous reactions in, 319

salmonella bacteremia, 873

scrub typhus, 624

for surgery

quality standards for, 422

transsphenoidal, 553

toxoplasmosis, in HIV infection (letter), 479

in transplantation

bone marrow, 273

heart, 141

Proteases, anaerobic bacteria, \$253, \$260

Pseudomembranous colitis, due to Clostridium difficile, S265

Pseudomembranous enteritis, due to Clostridium difficile, 982

Pseudomonas aeruginosa infections

bacteremia

in HIV infection, 886

in immunocompromised children, 390

nosocomial, cross-contamination, 929

treatment with granulocyte colony-stimulating factor, S197

Psychological aspects of chronic fatigue syndrome, S73, S86

Pure red cell aplasia, in parvovirus infection (letter), 651

Pyelonephritis

bacteremia in. pathogenesis (letter and reply), 1014, 1015

due to Escherichia coli

in diabetes mellitus (letter), 117

host defenses and, 579

in females, I

Pyomyositis, due to Mycobacterium avium complex (letter), 833

Pyridinone, resistance to, 149

Pyrimethamine, for toxoplasmosis, 38

prophylactic (letter), 479

Pyrimethamine/sulfadiazine, for toxoplasmosis, 853

Q fever

antibodies to phospholipid in, 213

immunologic aspects (letter), 122

Quality standards

for antimicrobial prophylaxis, in surgery, 422

for bacteremia treatment, 428

for measles immunity among health care workers, 431

purpose of, 421

Queensland tick typhus, varicelliform rash in (letter), 118

Ouinolones

for bacteremia, due to viridans streptococci, 25

toxicity of, in cirrhosis, 324

Rabies, pneumomediastinum in (letter), 663

Rash, due to Rickettsia australis (letter), 118

Recalcitrant erythematous desquamating disorder, in HIV infection, cytokine activation in, 942

Receptors, in neutrophil function, \$170

Respiratory infections (see also Pneumonia)

due to anaerobic bacteria, treatment, \$273

due to Aspergillus, after lung transplantation (letter), 123

in bone marrow transplantation, 273

drug resistance in. 946

epidemiology, in Kenya, 639

due to Mycobacterium chelonae, treatment with clarithromycin (letter), 1025

due to Mycobacterium kansasii, 395

due to Mycobacterium malmoense, 596

due to Mycobacterium szulgai, in HIV infection (letter), 1022

due to parainfluenza virus, in pediatric patients, 770

due to Pseudomonas aeruginosa, in HIV infection, 886

due to Schizophyllum commune, 305

due to Staphylococcus aureus, toxic shock syndrome and, 437

Respiratory symptoms, in sick building syndrome, S43

Retinitis

due to cytomegalovirus, in idiopathic CD4 T lymphocytopenia (letter), 1012

due to Toxoplasma gondii, 38

Retrobulbar neuritis, due to Epstein-Barr virus, 799

Retropharyngeal abscess, in vertebral osteomyelitis, 992

Retroviruses, not associated with chronic fatigue syndrome, S121, S130

Reverse transcriptase, nonnucleoside inhibitors of, for HIV infection, 516

Rhinocerebral mucormycosis, treatment with amphotericin B (letter and reply), 653, 654

Rhinorrhea, cerebrospinal fluid, in transsphenoidal surgery, 553

Rhodococcus infections, in HIV infection, due to animals, 14

Rickettsia australis infections, vesicular rash in (letter), 118

Rickettsia tsutsugamushi infections, in travelers, 624

Rifabutin, for Mycobacterium avium complex infections

in HIV infection, S233

prophylactic, S223

Rifampin

interaction with itraconazole (letter), 266

for Mycobacterium avium complex infections, in HIV infection, S237

for pneumococcal meningitis, penicillin-resistant, 188

resistance to, 736

RNA drugs,  $poly(1) \cdot poly(C_{12}U)$ 

for chronic fatigue syndrome, S88, S96

for human herpesvirus 6 infection, S113

RNase L levels, in chronic fatigue syndrome therapy, S96

Rochalimaea, detection of, 958

Rothia dentocariosa endocarditis, abdominal aneurysm with (letter), 489

Sabin-Feldman dye test, for toxoplasmosis, 853

Safety

food-borne illness control and, 671

needlestick injury incidence and, 562

Salmonella

bacteremia, relapse, 873

non-typhi, mediastinitis (letter), 255

Salmonella typhimurium, susceptibility testing (letter), 255

Salmonella wien, susceptibility testing (letter), 255

Salmonellosis

food-borne, 671

in HIV infection

due to animals, 14

epidemiology, 358

Schistosoma haematobium infections

cerebral, 354

treatment, circulating antigen measurement in, 408

Schistosoma intercalatum infections, salmonella septicemia and, 103

Schizophyllum commune, allergic bronchopulmonary mycosis due to,

Scintigraphy, in fever of unknown origin, 601

Scrub typhus, in travelers, 624

Scytalidium dimidatum infections, posttraumatic (letter), 127

Seizures, due to Toxoplasma gondii, 38

Septata intestinalis infection, in HIV infection, 819

Septic arthritis

due to Mycoplasma, animal studies, 694

due to Nocardia asteroides (letter), 256

Septic pulmonary emboli, in mastoiditis, 633 Septic shock

microbial etiology, 726

prevention, S205

treatment, S205

Septicemia

due to Agrobacterium, 914

in cirrhosis, treatment of, 324

due to Mycoplasma arginini (letter), 488

due to Ochrobactrum anthropi, 914

due to Pasteurella multocida

in cirrhosis (letter), 486

after hemorrhagic shock (letter), 842

due to Salmonella, in Schistosoma intercalatum infection, 103

Sertraline, for chronic fatigue syndrome, S111

Shellfish, infections from, due to Vibrio hollisae, 310

Shigellosis

epidemiology, 760, 764

food-borne, 671

Shock

distributive, etiology, 726

hemorrhagic, Pasteurella multocida septicemia after (letter), 842

microbial etiology, 726

prevention, \$205

treatment, S205

Sick building syndrome, chronic fatigue syndrome and, S43

Silastic catheter, low-cost, for long-term therapy, infection risks with,

Simian hemorrhagic fever, vs. chronic fatigue syndrome, S9

Simian T-lymphocytic viruses, not associated with chronic fatigue syndrome, S121

Sinusitis

due to Blastomyces dermatitidis (letter), 267

complications, in children, 750

fungal, in bone marrow transplantation, 273

Sjögren's syndrome, vs. chronic fatigue syndrome, S28

Skin lesions

due to Corynebacterium diphtheriae, 94

after heart transplantation, 141

due to herpes simplex virus infection, treatment with HPMPC, 570

due to Leishmania, treatment with meglumine antimoniate, 381

due to Mycobacterium chelonae, treatment, 999

due to Mycobacterium marinum, treatment with clarithromycin (letter), 664

due to Nocardia brasiliensis (letter), 843

from cat scratch (letter), 649

due to Pseudomonas aeruginosa, perineal, 390

in recalcitrant erythematous desquamating disorder, 942

due to Rickettsia australis (letter), 118

due to trimethoprim-sulfamethoxazole, corticosteroids and, 319

Skull, Mycobacterium kansasii infection (letter), 261

Sleep disorders, in chronic fatigue syndrome, S68

Small intestine biopsy, liver abscess after, 802

Sodium stibogluconate, for leishmaniasis, pancreatitis due to, 83

Soft-tissue infections

due to anaerobic bacteria, \$280

due to Arcanobacterium haemolyticum (letter), 835 due to Flavimonas oryzihabitans, 808

hepatitis E epidemiology in, 100

tuberculosis risks in, 106

Candida parapsilosis prevalence in (letter), 480

genitourinary tuberculosis in, epidemiology, 557

Lyme disease serology in (letter and reply), 493, 494

penicillin resistance in, 161

Spinal anesthesia, Streptococcus salivarius meningitis after (letter), 840

Spinal tap, Streptococcus salivarius meningitis after (letter), 1022

Spiramycin, for toxoplasmosis, 38, 853

Spleen, candidiasis, in leukemia, 979

Splenomegaly, due to Toxoplasma gondii, 38

Sporotrichosis, Mycobacterium chelonae resembling, 999

Spumaviruses, not associated with chronic fatigue syndrome, S121

Standards (see Quality standards)

Staphylococcal infections, breast, 73

Staphylococcus aureus infections

bacteremia (letter), 469

hand (letter), 469

intracranial, 750

laryngotracheitis, toxic shock syndrome and, 437

liver abscess, in HIV infection, 802

meningitis, after epidural analgesia (letter), 844

nosocomial, cross-contamination, 929

osteomyelitis, retropharyngeal abscess in, 992

in recalcitrant erythematous desquamating disorder, 942

Stealth pathogens, book review, 667

Sternum, osteomyelitis

due to Candida albicans (letter), 126

treatment, drug interactions in (letter), 259

Stevens-Johnson syndrome, in dapsone therapy, 630

Stibogluconates, for leishmaniasis, pancreatitis due to, 83

Stomatococcus mucilaginosus endophthalmitis, postoperative (letter), 492

Streptococcal infections

group A, meningitis, toxic shock-like syndrome and, 91

group B, kidney abscess (letter), 662

Streptococcal pyrogenic exotoxin A, toxic shock-like syndrome from, 91

Streptococci, group A, drug resistance in, 946

Streptococcus bovis infections, with strongyloidiasis and HIV infection, 253

Streptococcus pneumoniae infections

in cirrhosis, treatment, 324

drug resistance in. 766, 946

meningitis, treatment failure, 766

pneumonia, 501

treatment with granulocyte colony-stimulating factor, S197

Streptococcus salivarius meningitis

after spinal anesthesia (letter), 840

from spinal tap (letter), 1022

Streptogramin, resistance to, \$297

Strongyloides stercoralis colitis, with Streptococcus bovis infection and HIV infection, 253

Subcutaneous tunneling, of vascular catheters, infection and, 199

Subphrenic abscess, Citrobacter pericarditis with (letter), 838

Sulbactam, for foot infections, in diabetes mellitus, 683

Sulfadiazine, for toxoplasmosis, 38 Sulfonamide, for toxoplasmosis, 38

Surgery

anaerobic infections in, S280

antimicrobial prophylaxis for, quality standards for, 422

for breast infections, 73

complications of dengue infection after, 248

for rhinocerebral mucormycosis (letter and reply), 653, 654

Surveillance, food-borne infections, 671

Susceptibility testing

anaerobic bacteria, \$293

Mycobacterium avium complex, S227, S233

Salmonella typhimurium (letter), 255

Salmonella wien (letter), 255

tuberculosis, in New York City, 755

Sweden, Mycobacterium malmoense infections in, epidemiology, 596 Syphilis

in HIV infection, neurological, diagnosis, 288, 295

osteitis in, 250 transmission, in tattooing, 610

vs. retrobulbar neuritis in Epstein-Barr virus infection, 799

T lymphocytes, CD8, activation, in chronic fatigue syndrome, S117, S136

Tachycardia, ventricular, during erythromycin therapy, 995

Taenia solium infection, epidemiology, in Mexico, 879

Tattoos, infectious complications, 610

Taxonomy

mycobacteria, rapidly-growing (letter), 121

Nocardia (letter and reply), 476, 477 Temafloxacin syndrome, case reports, 946

Tetanus, treatment, S273

Tetracyclines

for anaerobic infections, \$273

resistance to, S297, 946

Thailand, scrub typhus in, 624

Thermometry, clinical, historical review, 458

Thrush

in cancer, treatment with fluconazole, 298

in HIV infection, fluconazole resistance in, 240

organisms isolated in (letter), 480

TIBO compounds, resistance to, 149

Ticarcillin/clavulanic acid, for anaerobic infections, S305

Tick bites, varicelliform rash from (letter), 118

Tobramycin, for brain stem abscess, 219

Tophyrema whippelii, detection, 958

Torsades de pointes, during erythromycin therapy, 995

Torulopsis glabrata infections

in pregnancy, treatment with amphotericin B, 364

treatment with fluconazole (letter), 116

Toxic shock syndrome, in laryngotracheitis, 437

Toxic shock-like syndrome, and streptococcal meningitis, 91

Toxoplasmosis

in bone marrow transplantation, 273

congenital, treatment outcome, 38

diagnosis, 853

in heart transplantation, 141

in HIV infection

due to animals, 14

cystitis and, 453

hiccups in (letter), 835

with Pneumocystis carinii pneumonia (letter), 113

in pregnancy, state-of-the-art, 853

prophylaxis, in HIV infection (letter), 479

creatment, in pregnancy, 853

Tracheitis, bacterial, toxic shock syndrome in, 437

Transplantation

bone marrow (see Bone marrow transplantation)

heart, infections in, 141

kidney, Legionella cincinnatiensis infection in, 385

liver

Clostridium difficile infection risk in, 181

lactobacillemia in, 207

lung, bronchial aspergillosis after (letter), 123

Transsphenoidal surgery, gram-negative meningitis after, 553

Trauma

acinetobacter infections in, 896

hand, Staphylococcus aureus infection in (letter), 469

Scytalidium dimidatum infection after (letter), 127

Travelers' infections

due to Cyclospora, 606

due to Rickettsia tsutsugamushi, 624

Treponema pallidum (see Syphilis)

Trimethoprim-sulfamethoxazole

for cyclospora infection, 620

for heart transplantation, 141

intolerance to, dapsone intolerance and, 630

for Legionnaires' disease prophylaxis, 227

for nocardiosis, in HIV infection, 348

for pneumonia, due to Pneumocystis carinii, corticosteroids with, 319

resistance to, 946

for septic arthritis, due to Nocardia asteroides (letter), 256

Tsukamurella paurometabolum bacteremia, in hemodialysis (letter), 830 Tuberculosis

drug resistance in, 755

epidemiology

genitourinary, in Spain, 557

in Somalia, 106

in HIV infection

gastrointestinal (letter), 650

osteomyelitis in (letter), 260

with Pneumocystis carinii pneumonia (letter), 470

multidrug-resistant, 755

pulmonary gangrene in, 243

susceptibility testing, in New York City, 755

transmission, in tattooing, 610

Tumor necrosis factor

in acute viral hepatitis, 194

in AIDS-related wasting, 97

in chronic fatigue syndrome, S147

in exercise, S142

dysregulation, treatment with pentoxifylline, 285

in hepatic cirrhosis (letter and reply), 1015, 1016

in recalcitrant erythematous desquamating disorder, 942

in septic shock, \$205

Typhoid fever, with Schistosoma intercalatum infection, 103

Tyzzer's disease, pathogen detection in, 958

Ultrasonography, for fetal toxoplasmosis detection, 853

Universal precautions, needlestick injury incidence and, 562

Ureaplasma urealyticum septic arthritis, animal studies, 694

Ureter, obstruction, due to Candida tropicalis fungus balls, 440

Urethral syndrome, in females, I

Urinary tract infections

bacteremia in, pathogenesis (letter and reply), 1014, 1015

due to Escherichia coli

in diabetes mellitus (letter), 117

host defenses and, 579

in females, I

due to fungi, treatment with amphotericin B, 313

- malacoplakia, fever of unknown origin in, 704 due to Schistosoma haematobium, 408 due to Toxoplasma gondii, in HIV infection, 453 Urine, Pneumocystis carinii detection in (letter), 477
- Vaccination (see Immunization)
- Vancomycin
  - for colitis, due to Clostridium difficile, \$265
  - for meningitis
  - due to Streptococcus pneumoniae, 188, 766
- pharmacokinetics, 533, 544
- serum levels, monitoring, clinical value, 533, 544
- Varicella-zoster virus infection
  - in bone marrow transplantation, 273
  - in HIV infection, myelopathy in, 810
  - relapsing, in lymphoma, 785
- Varicelliform rash, due to Rickettsia australis (letter), 118
- Vascular access device, infections from (see Catheter-induced infections)
- Veillon, André, memorial to, S245, S248
- Veno-occlusive disease, liver, in bone marrow transplantation, 273
- Venous catheters, infections from (see Catheter-induced infections)
- Ventricular tachycardia, during erythromycin therapy, 995
- Vertebral osteomyelitis
  - due to bacille Calmette-Guérin therapy (letter), 1013
  - due to Pasteurella dagmatis, 336
  - due to Staphylococcus aureus, retropharyngeal abscess in, 992
- Vertical transmission, of hepatitis C, 1027
- Vibrio cholerue infections, susceptibility to, ABO blood groups and (letter), 827
- Vibrio hollisae infections, gastrointestinal, 310
- Viral hepatitis
  - cryoglobulinemia in (letter), 832
  - cytokine levels in, 194
  - epidemiology in Somalia, 100
  - in HIV infection, viral interactions in, 339
  - vertical transmission (letter), 1027

- Viral infections
  - in bone marrow transplantation, 273
  - chronic fatigue syndrome and (see Chronic fatigue syndrome, viruses associated with)
  - diagnosis (book review), 130
- Viridans streptococci, infections
- atrial myxoma (letter), 657
- bacteremia, in neutropenia, 25
- meningitis (letter), 840
- Virulence factors
- anaerobic bacteria, S253, S260
- Bacteroides, S287
- Escherichia coli, 579, 1014 (letter), 1015 (reply)
- in urinary tract infections, 1
- Visual impairment
  - in chronic fatigue syndrome, S87
- due to Toxoplasma gondii, 38
- Warts, genital, cervical cancer and, 172
- Wasting, AIDS-related, treatment with pentoxifylline, 97
- Weight loss, in HIV infection, treatment with pentoxifylline, 97
- Whipple's disease, bacterial detection in, 958
- Wound infections
  - due to anaerobic bacteria, \$280
  - after heart transplantation, 141
- Wunderlich, Carl Reinhold August, biography, 458
- Yersinia enterocolitica
  - liver abscess, 938
- peritonitis, in HIV infection (letter), 655
- Zalcitabine, resistance to, 149
- Zidovudine
- for HIV infection, 516
  - progressive multifocal leukoencephalopathy and, 826
- resistance to, 149
- for viral hepatitis, in HIV infection, 339
- Zoonoses (see Animals)

